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FIG. 1

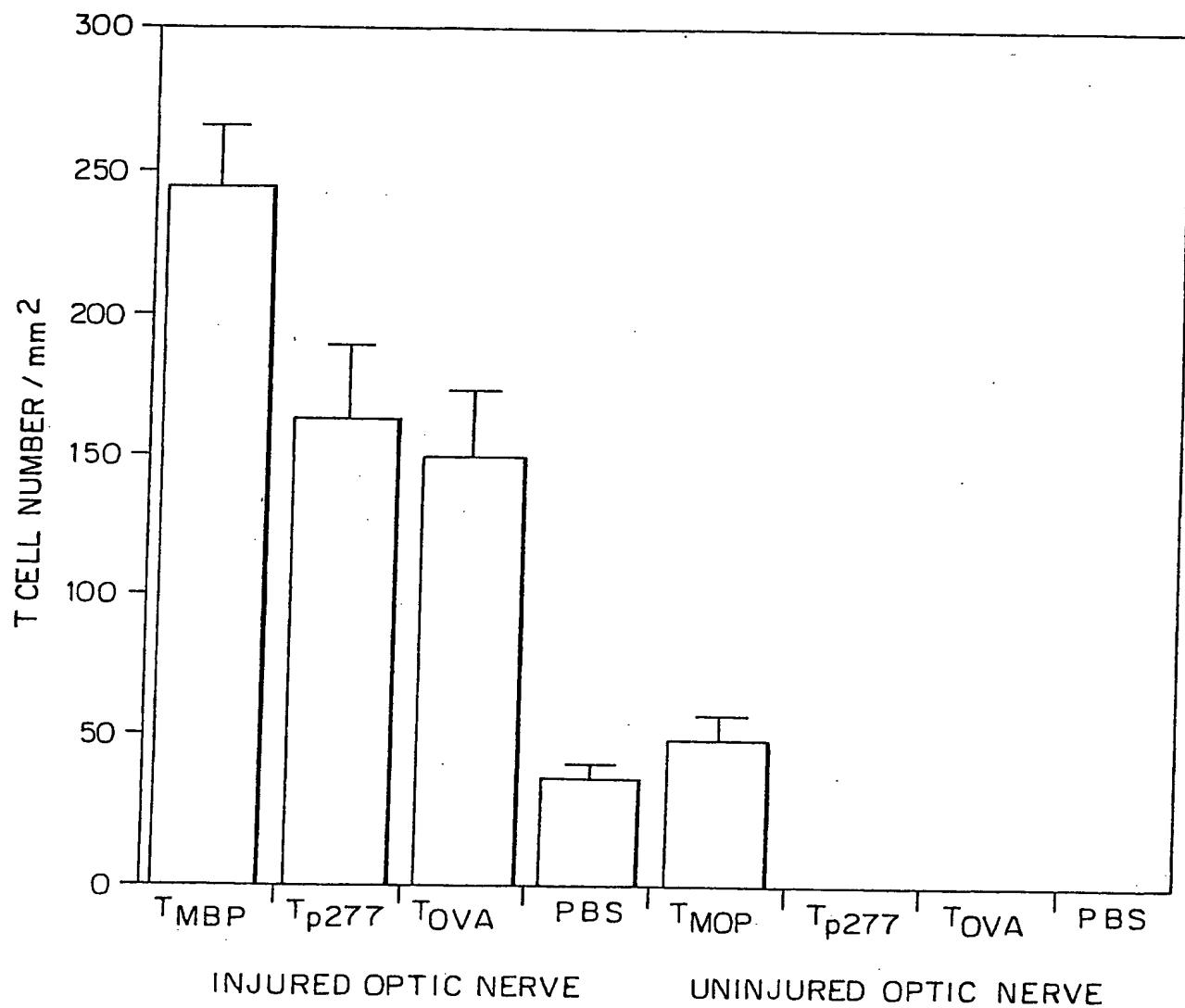


FIG. 2

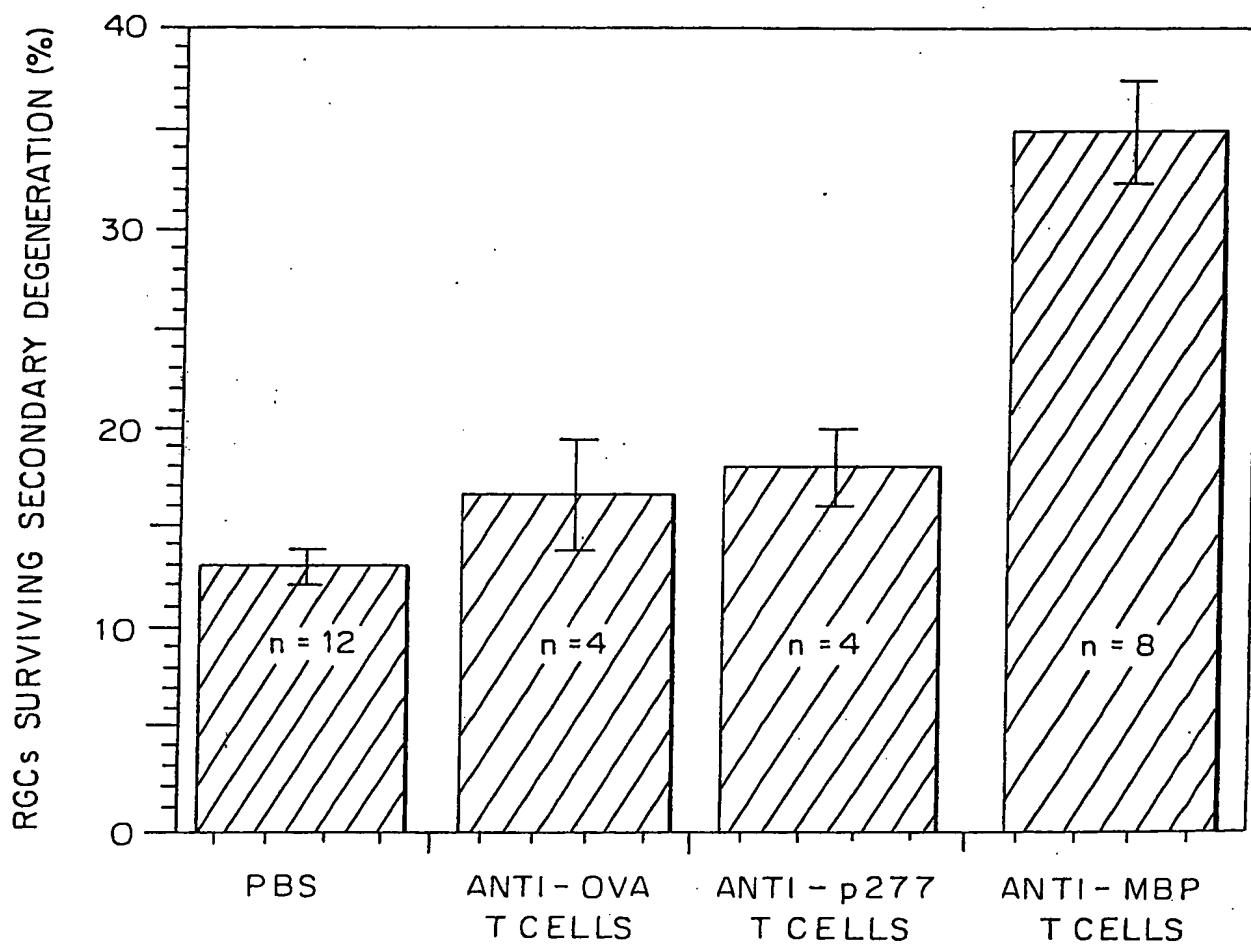


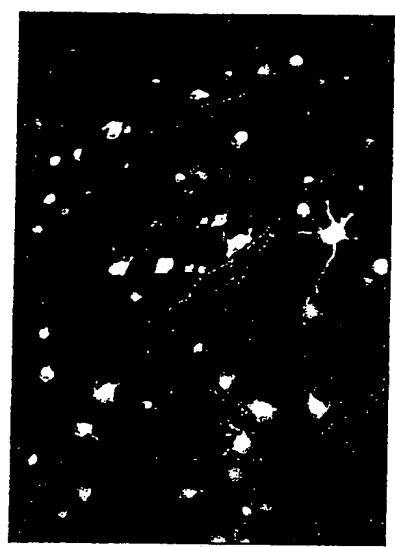
FIG. 3A



FIG. 3B



FIG. 3C



160µm

FIG. 4A

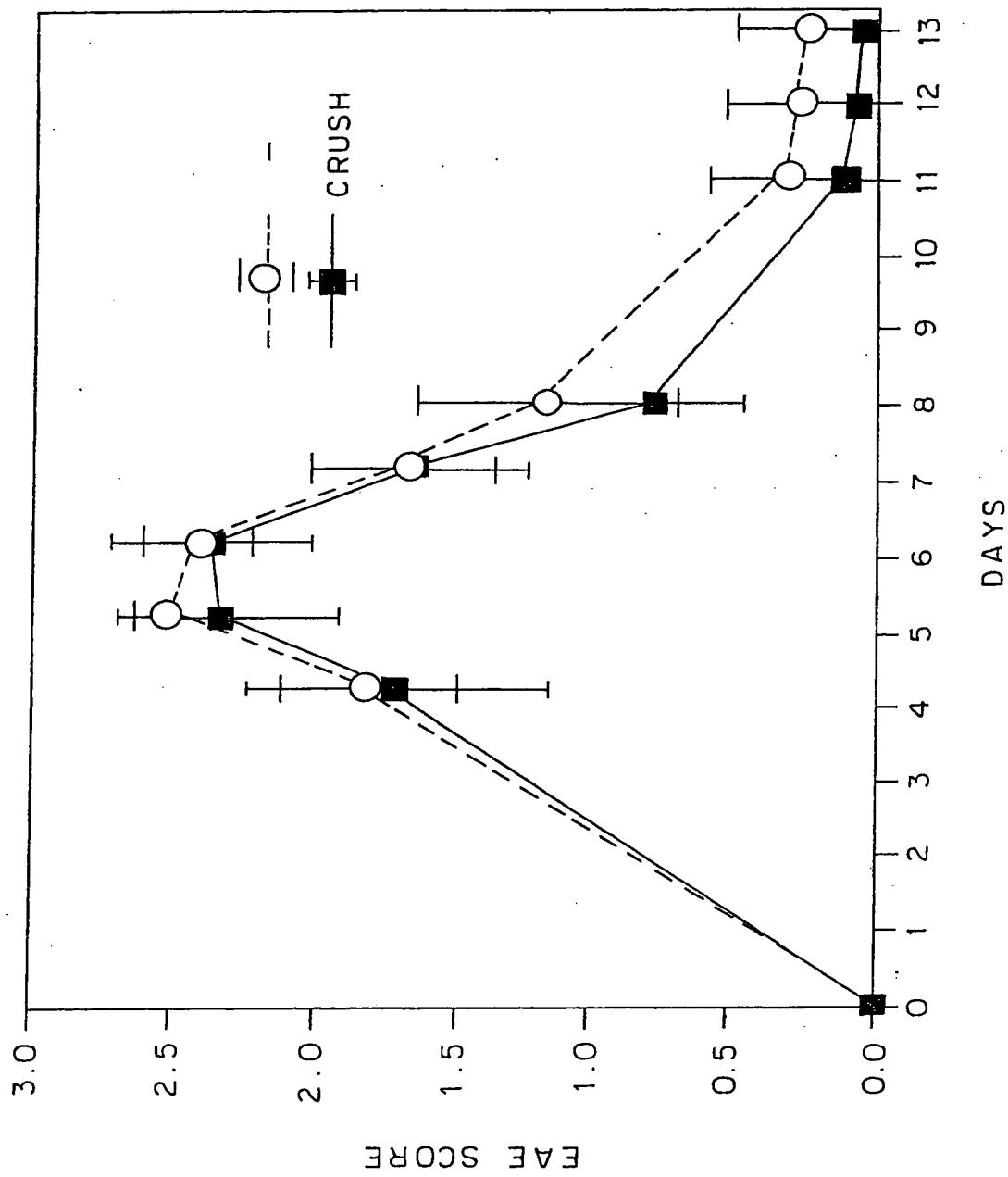


FIG. 4B

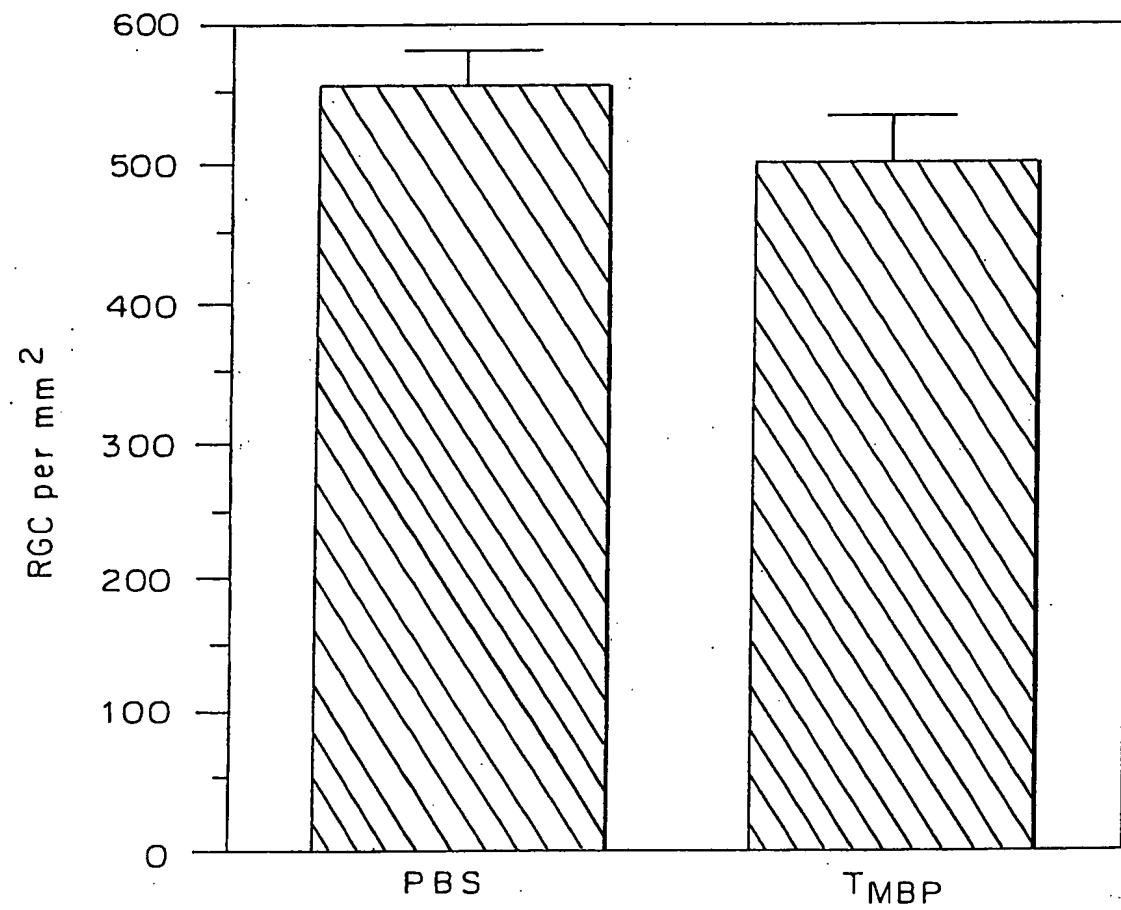


FIG. 5

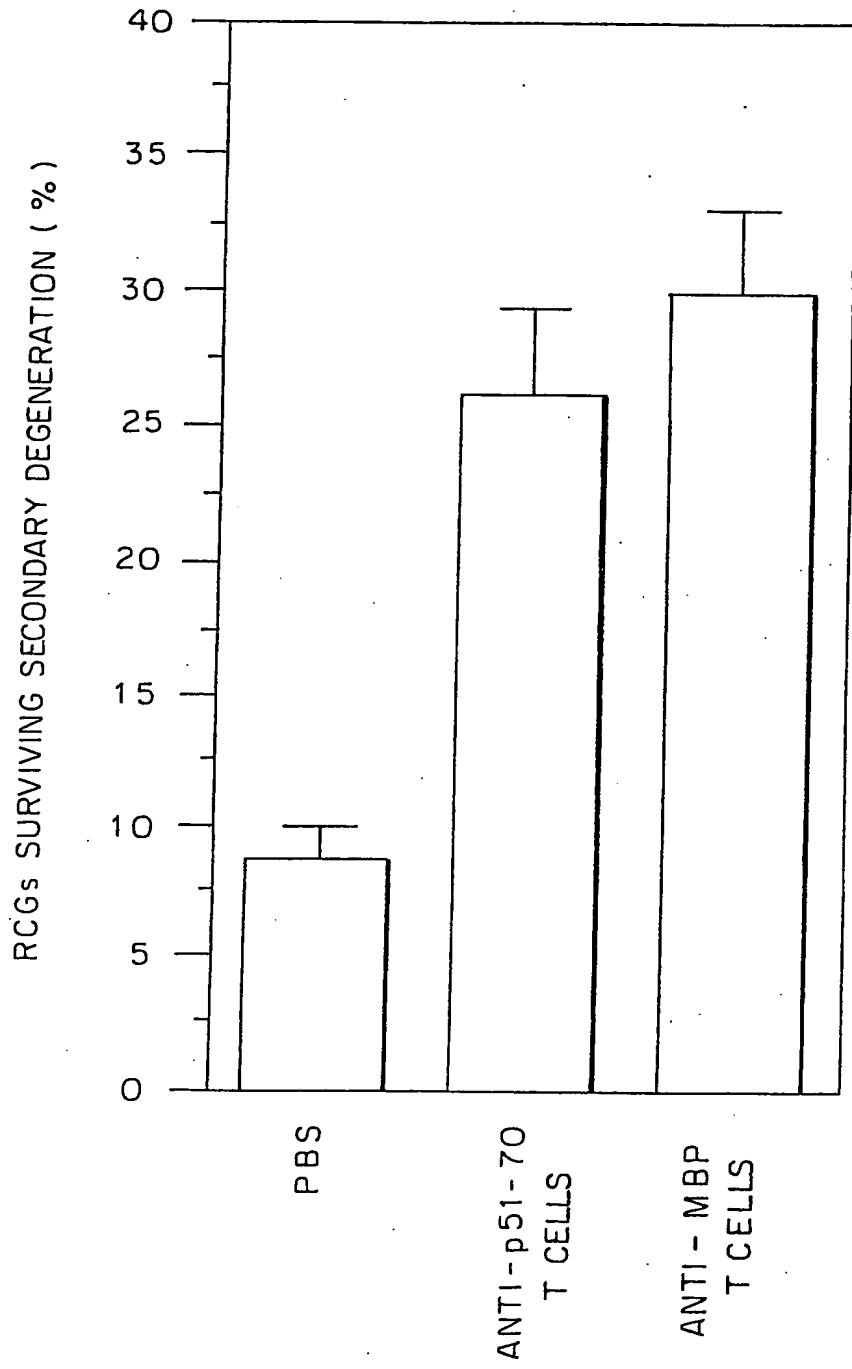


FIG. 6A

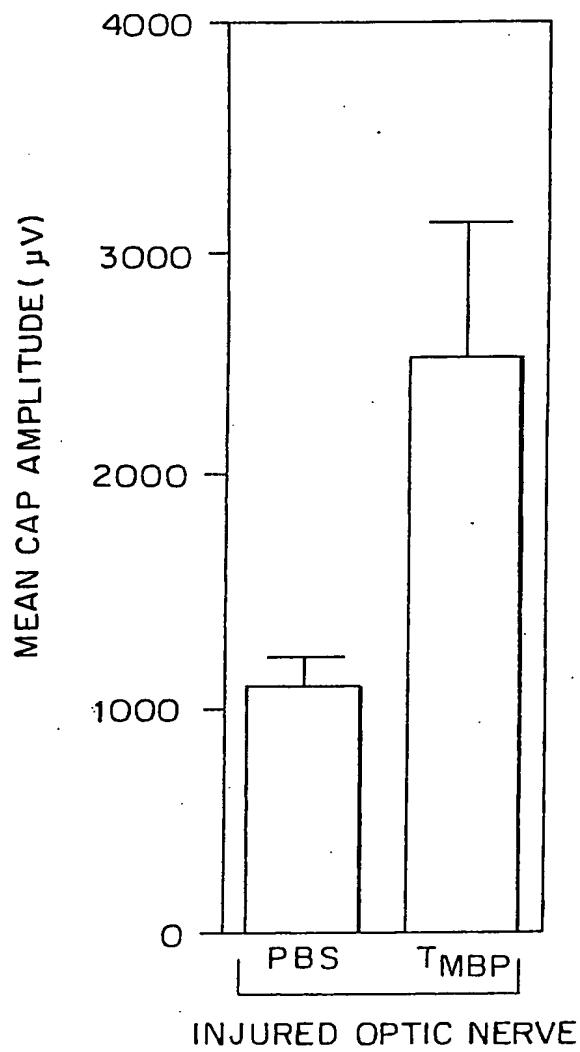


FIG. 6B

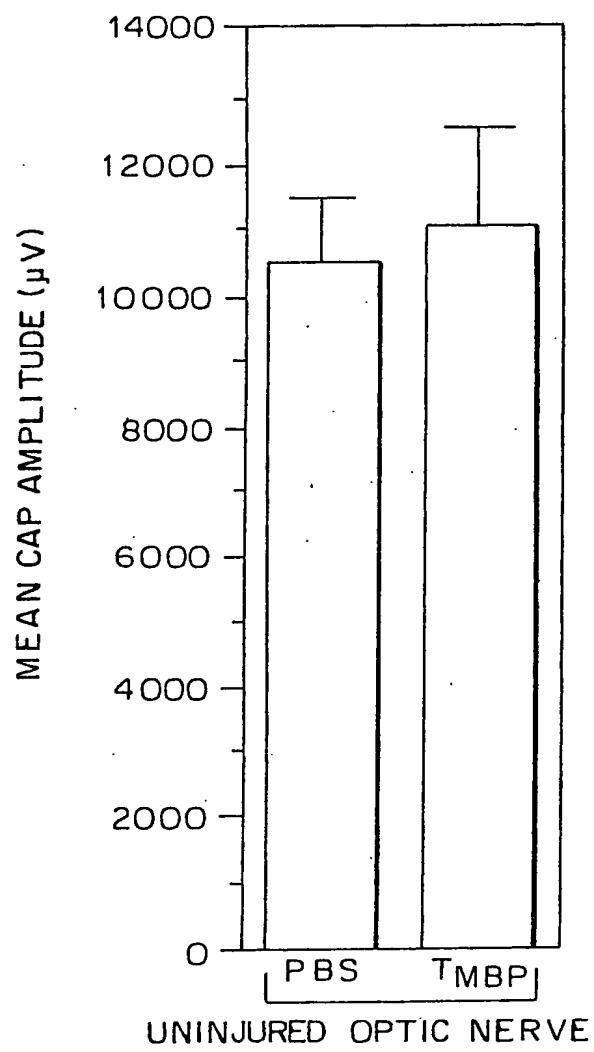


FIG. 7A

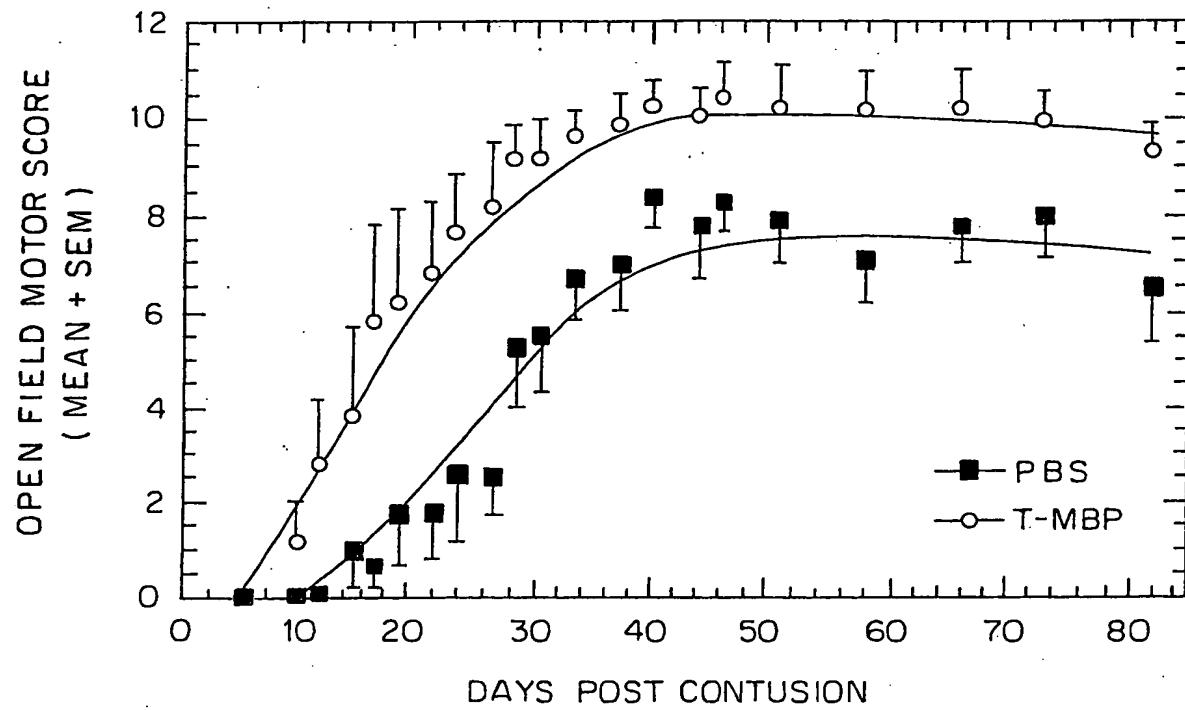


FIG. 7B

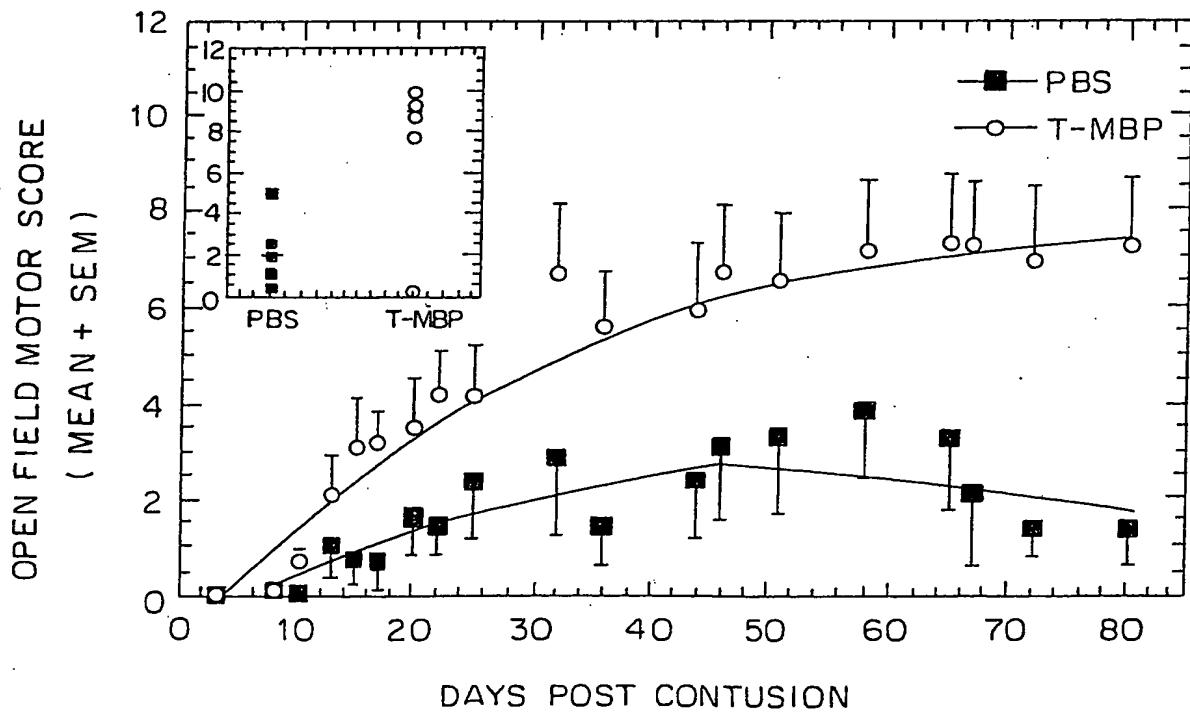


FIG. 8A

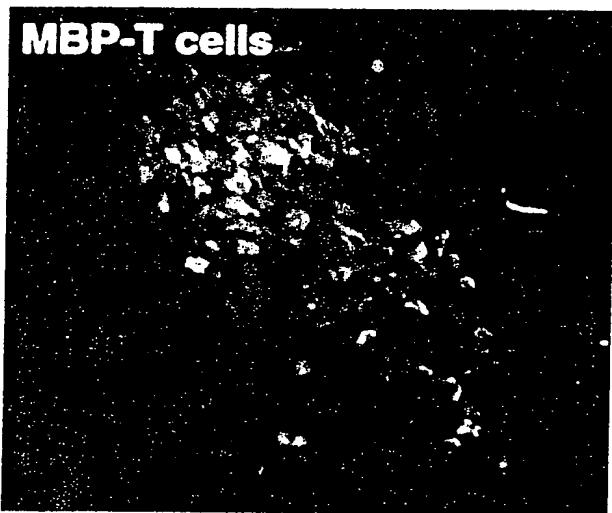


FIG. 8B

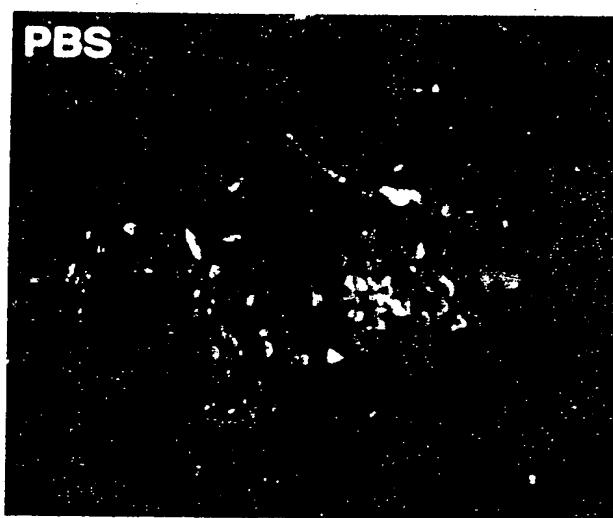


FIG. 8C

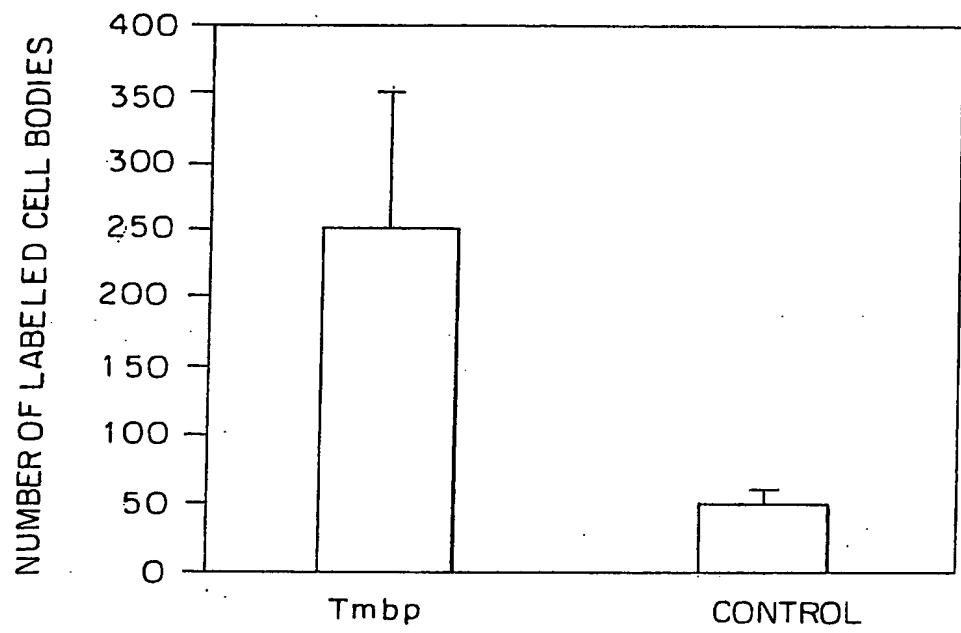
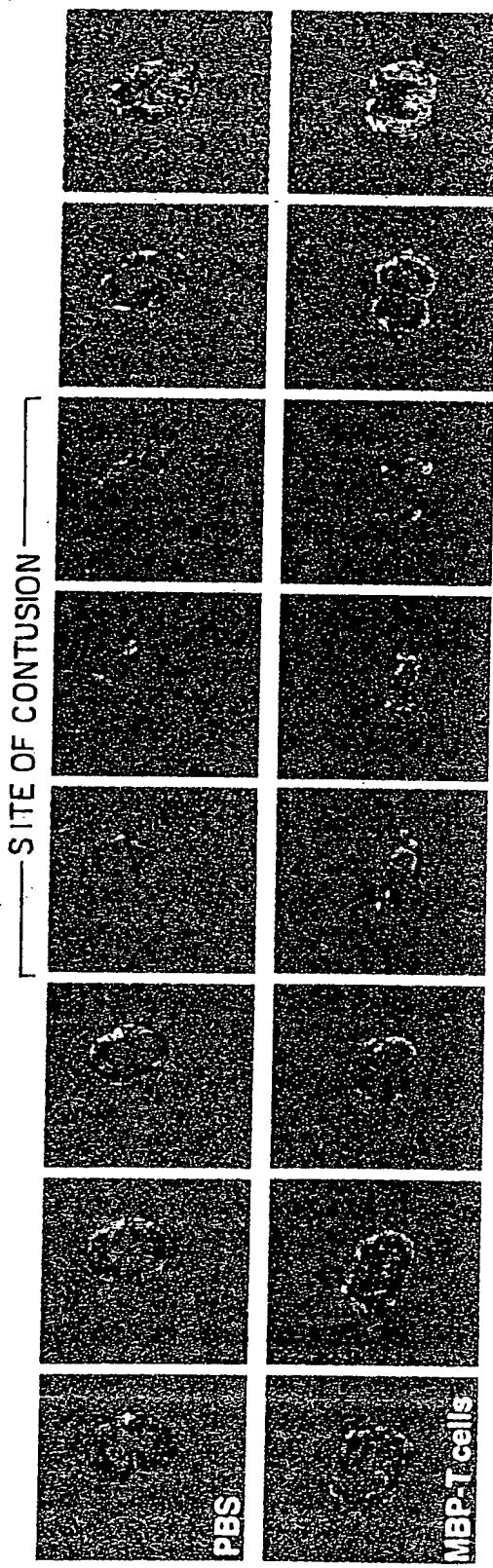


FIG. 9



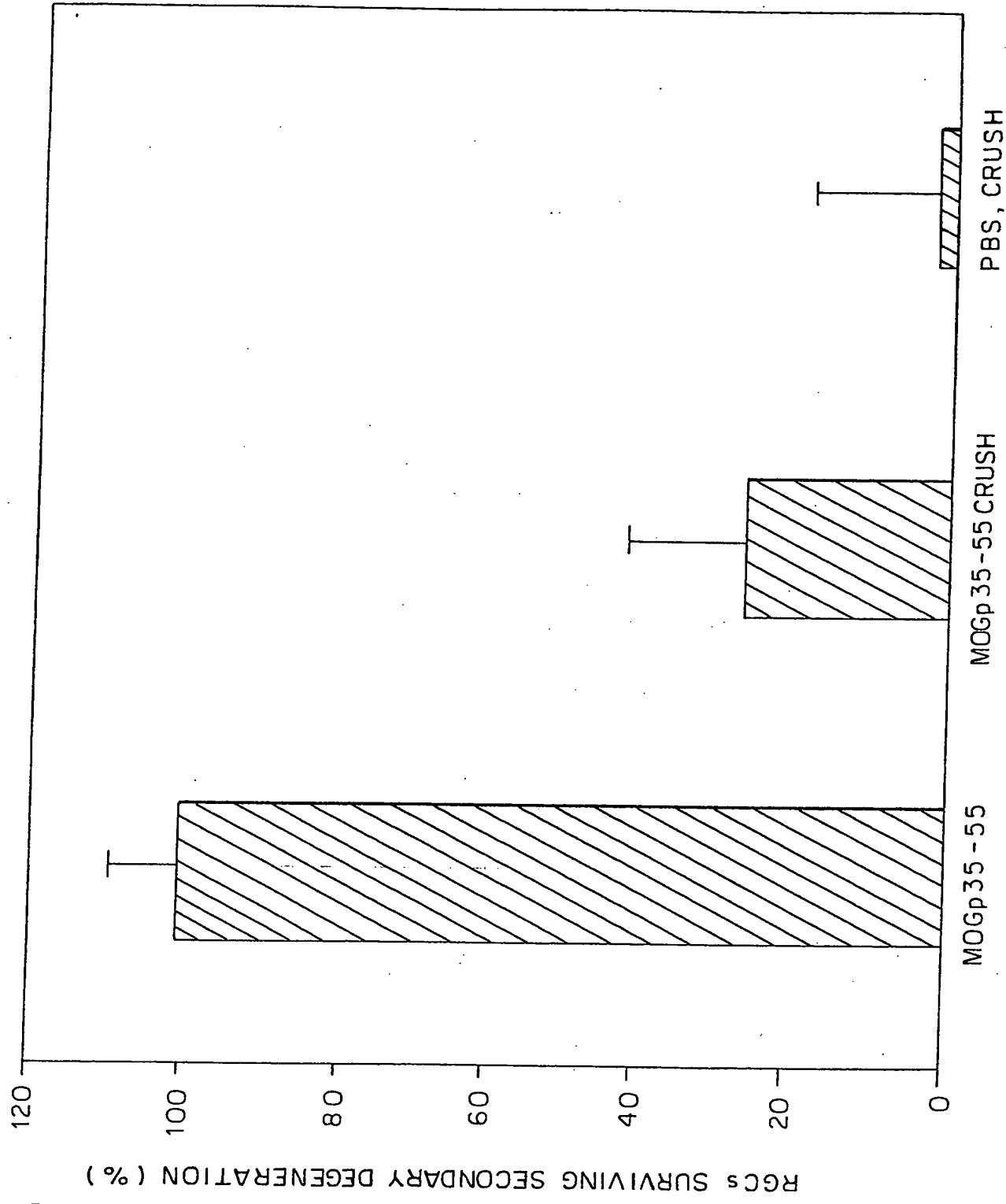


FIG. 11

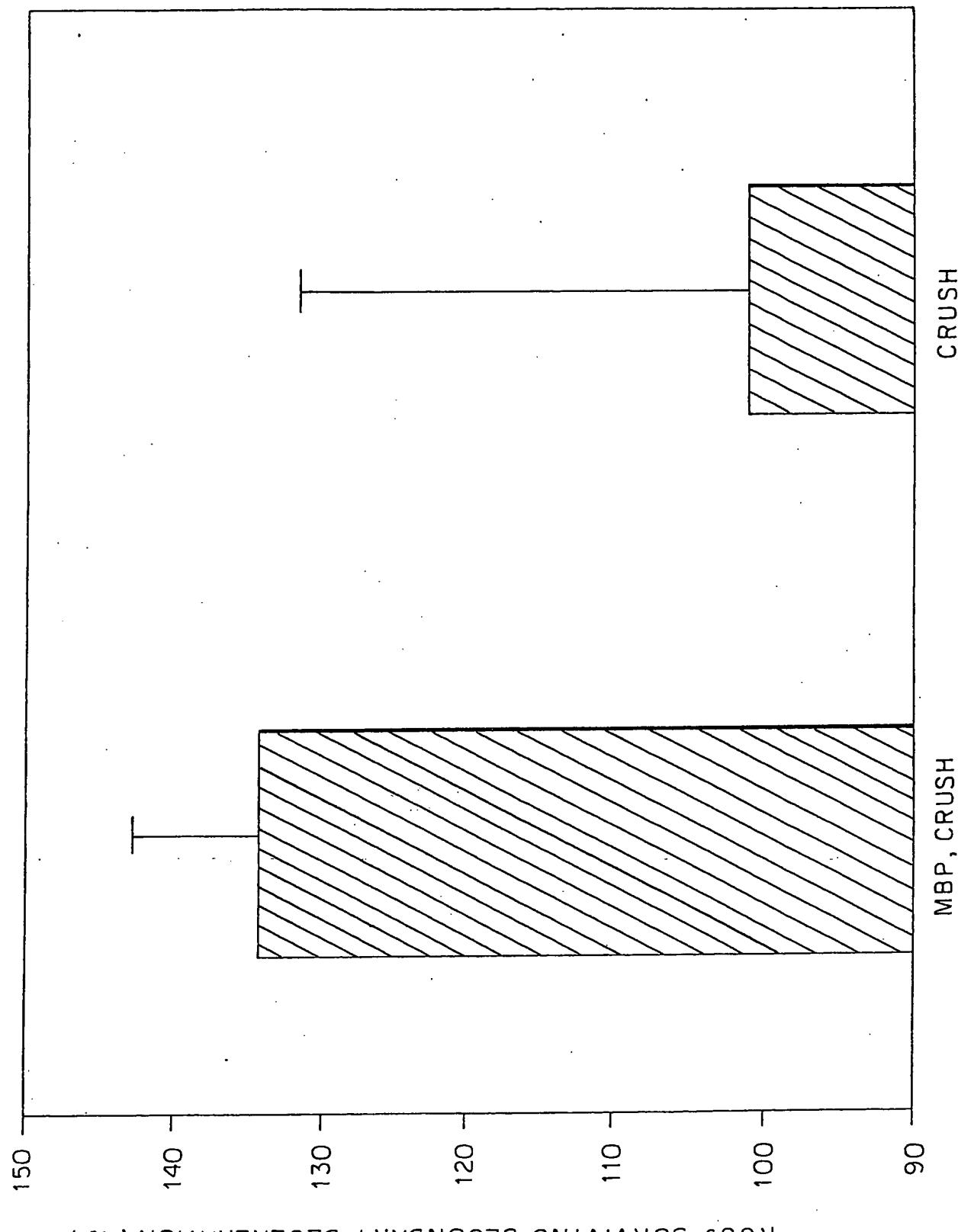


FIG. 12A

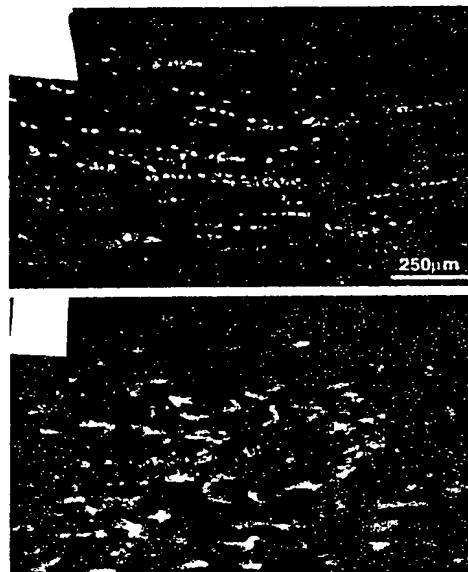


FIG. 12B

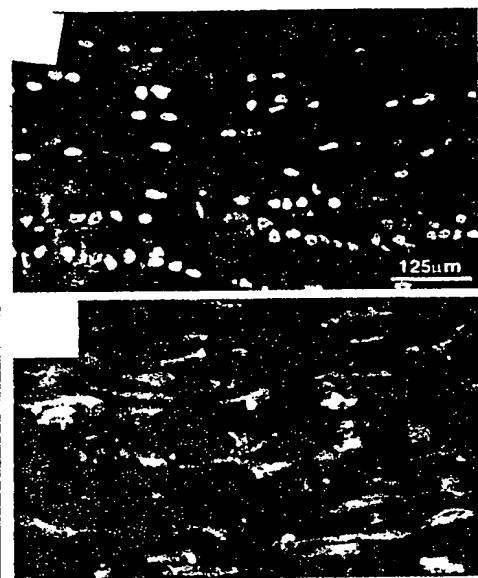


FIG. 12C



FIG. 12D

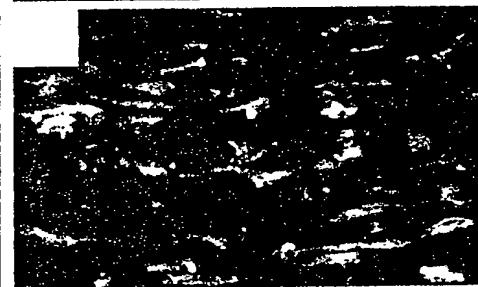


FIG. 12E Proximal



↓
Proximal

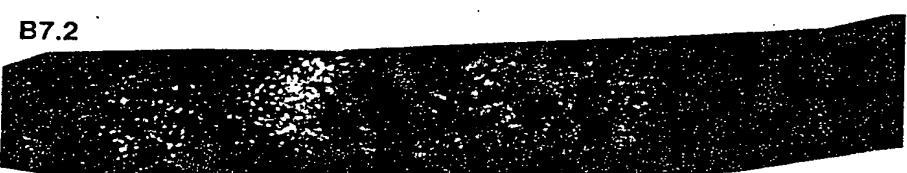
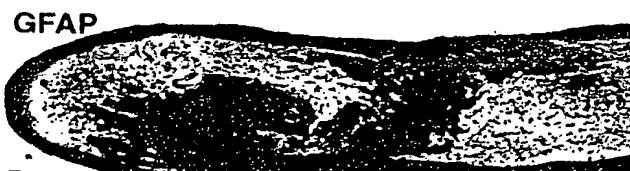


FIG. 12F



B7.1

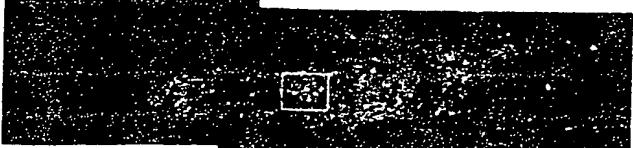


FIG. 13A



FIG. 13B

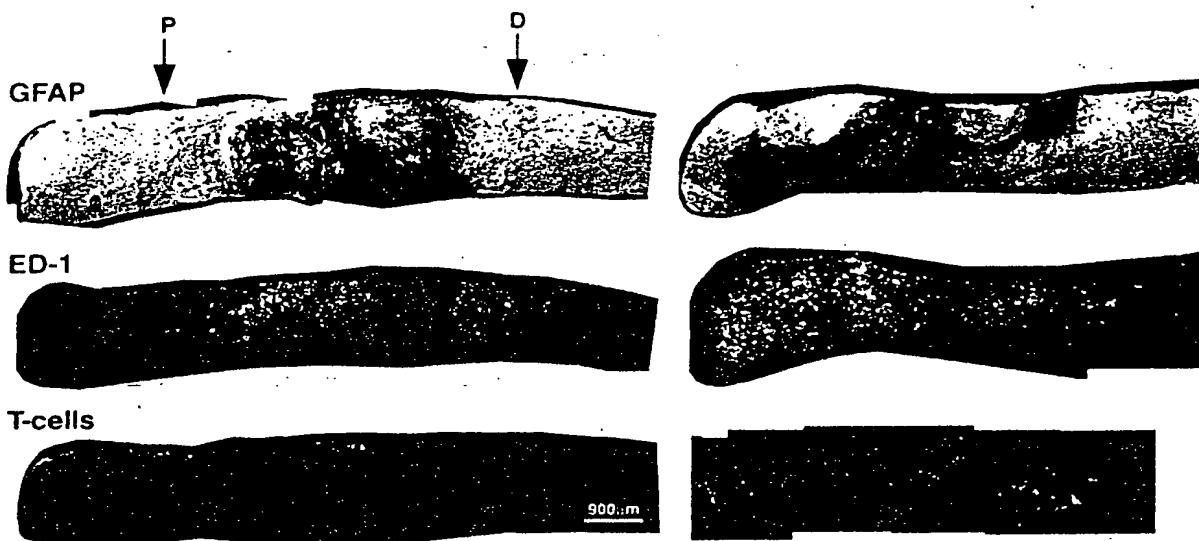


FIG. 13C

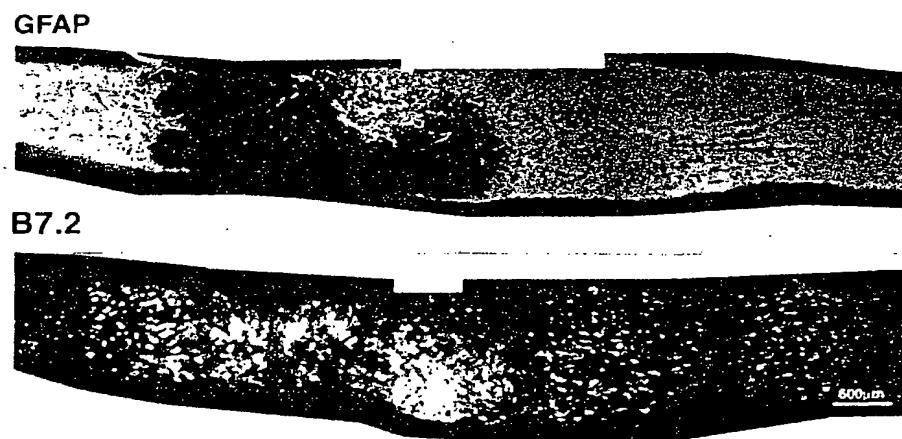


FIG. 14

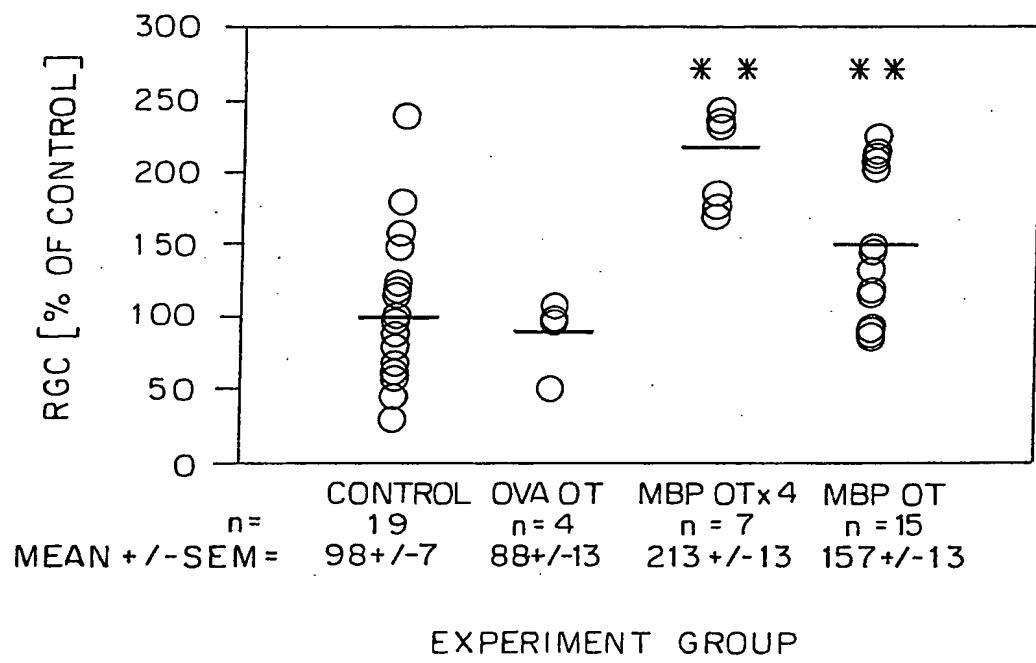


FIG. 15

1 ccaagaagat cccacagcag ctccgaagg cctggatgtg atggcatcac agaagagacc
61 ctcacagcga cacggatcca agtacttggc cacagcaagt accatggacc atgccccggca
121 tggcttcctc ccaaggcaca gagacacggg catccttgac tccatcgcc gcttcttttag
181 cggtgacagg ggtgcgcaca agcggggctc tggcaaggac tcacacacaa gaactaccca
241 ctacggctcc ctgccccaga agtcgcagag gacccaagat gaaaacccag tagtccactt
301 cttcaagaac attgtgacac ctcgtacacc ccctccatcc caaggaaagg ggagaggcct
361 gtcccctcagc agatttagct ggggaggaag agacagccgc tctggatctc ccatggcaag
421 acgctgagag ctcctctgtc cagccttccc gaatcctgcc ctcggcttct taatataact
481 gccttaaacg ttaattcta cttgcaccaa atagcttagtt agagcagacc ctctctaata
541 cccgtggggc tgtgaacgcg gcgggcccagc ccacggcacc ctgactggct aaaactgttt
601 gtccctttt at

FIG. 16

1 gaaaacagt cagccaccc cgagagcctg gatgtgatgg cgtcacagaa gagaccctcc
61 cagaggcacg gatccaagta cctggccaca gcaagtacca tggaccatgc caggcatggc
121 ttccctccaa ggcacagaga cacgggcata cttgactcca tcgggcgtt cttggcggt
181 gacaggggtg cgccaaagcg gggctctggc aaggactcac accacccggc aagaactgct
241 cactatggct ccctgccccca gaagtcacac ggcgggaccc aagataaaaa cccctgtac
301 cacttcttca agaacattgt gacgcctcgc acaccacccc cgtcgcaggg aaaggggaga
361 ggactgtccc tgagcagatt tagtggggg gccgaaggcc agagaccagg atttggctac
421 ggaggcagag cgtccgacta taaatcggt cacaaggat tcaagggagt cgatcccgag
481 ggcacgcctt cccaaatttt taagctggga ggaagagata gtcgctctgg atcaccatcg
541 gctagacgct gaaaacccac ctggttccgg aatcctgtcc tcaagttctt aatataactg
601 ccttaaaact ttaatccac ttgccccgt tacctaatta gagcagatga cccctccct
661 aatgcctgcg gagttgtgca cgttagtaggg tcaggccacg gcagccttacc ggcaatttcc
721 ggcacacagt taaatgagaa catgaaaaca gaaaacgggtt aaaactgtcc ctttctgtgt
781 gaagatcacg ttccctccccc cgcaatgtgc ccccaagacgc acgtgggtct tcaagggggcc
841 aggtgcacag acgtccctcc acgttcaccc ctccacccctt ggactttctt ttgcgcgtgg
901 ctggcaccctt ttgcgtttt gctggtaact gccatggagg cacacagctg cagagacaga
961 gaggacgtgg gcggcagaga ggactgttga catccaagct tcctttgttt tttttccctg
1021 tccttcttc acctccctaaa gtagacttca tttttcttaa caggattaga cagtcaagga
1081 gtggcttact acatgtggga gcttttgggt atgtgacatg cgggctggc agctgttaga
1141 gtccaaacgt gggcagcaca gagagggggc cacccccc ggcgcgtggct gcccacacac
1201 cccaaattagc tgaattcgcg tgtggcagag ggagaaaaag gaggcaaacg tgggctggc
1261 aatggcctca catagggaaac agggtcttcc tggagattt gtagatggaga tgtcaagcag
1321 gtggcctctg gacgtcaccg ttgcctgca tgggtggccc agagcagcct ctatgaacaa
1381 ctcgtttcc aaaccacagc ccacagccgg agatccagg aagacttgcg cactcagac
1441 agaagggtag gagtcctcta gacagcctcg cagccgcgc agtcgcctt agacactggc
1501 tgtgaccggg cgtgctggca gcggcagtgc acagtggcca gcactaaccc tccctgagaa
1561 gataaccggc tcattcactt cctcccgaaa gacgcgtggt agcgagtagg cacaggcgtg
1621 cacctgctcc cgaattactc accgagacac acgggctgag cagacggccc ctgtgatgg
1681 gacaaagagc tttctgacc atatcctct taacacccgc tggcatctcc ttgcgcct
1741 ccctccctaa cctactgacc cacctttga ttttagcgca cctgtgattt ataggccttc
1801 caaagagtcc cacgctggca tcacccccc cgaggacgga gatgaggagt agtcagcgtg
1861 atgccaaaac gcttcttctt aatccaattc taattctgaa tggatgtgt gggcttaata
1921 ccatgtctat taatataatag ctcgtatgat gagagagttt caaagaacaa aactccagac
1981 acaaaccctcc aaattttca gcagaagcac tctgcgtcgc tgagctgagg tggcctctac
2041 gatccataacg tggccgcacc cacacagcac gtgctgtgac gatggctgaa cggaaagtgt
2101 acactgtttc tgaatattga aataaaacaa taaaactttt

FIG. 17A

1 taatatctag ggktttgact ctgaccgtg ttggggctct cacttcatgg cttctcacgc
61 ttgtgctgca tatcccacac caatttagacc caaggatcg ttggaagttt ccaggacatc
121 ttcattttat ttccaccctc aatccacatt tccagatgtc tctgcagcaa agcgaaattc
181 caggcaagcc ttagggaaaa aaggaaaaac aaagaaaaatg aaacaattgg cagtgaaagg
241 cagaaagaga agatggagcc cttagagaag ggagtatccc tgagttagtg gggaaaaggg
301 gaggagaagg ggaggaggag aggaggagga aagcaggcct gtcccttaa gggggttggc
361 tgtcaatcag aaagccctt tcattgcagg agaagaggac aaagatactc agagagaaaa
421 agtaaaagac cgaagaagga ggctggagag accagatcc ttccagctga acaaagtctag
481 ccacaaagca gactagccag ccggctacaa ttggagtcag agtcccaaag acatggtaa
541 gttcaaaaaa ctttagcatt gaagattcaa gaggacacag g

FIG. 17B

1 ctgctttcag agcctgtgac ttcttgtgtg cctctcctgt ttctcagcaa catggcata
61 ggcctggat accaggtctg gggatctcag ggactcttag cactttaaga cacatgtgtt
121 cccaggccct ggtgtgttcc tctagtgcca gaaagatgtt tcattgtttt ctgactttgt
181 ataaaagtctg ttttagtctg ttttgacaga atctcagcgt ataactgagg gtggggacat
241 tagccaagct gcattatagg aggacaaaac tgccatacaa agtgtccaaa atcattaagc
301 ctgcattttt attattggga gtaatatcaa acctcctatt ttccaattttt catttcttgc
361 cctgtgctag ctccatcctg tttggactgc tcctccata taaaactaa gaagaatcaa
421 gcatttttg caacaaatac acacgatgct caaaaatgtc caggagcatc caatttccaa
481 agtttccctcc acctggaaatg ctcttcatgc taaaatcctg tctgacaata ccagcatctc
541 tggcctgcac tcatcccttc ctggaactcc aagtgcattt accctctgtt accacttact
601 tggctgcctg aattgttagt taaaatatt aggtctactt agctaattct tcctcaggaa
661 ataaaagact cccatatggc agagtctgtg tctttctct tcattatcc cgtataacac
721 ccagcataat gctggcata tagtgat tccataaata gttgatgaat gactaaaata
781 agcaagcaaa caaacagact agaacaataa gaaagaaggg actggatttc ataatctctc
841 tggcttgcta tttgaattgc tgaattatta ttatttatta aatattttt aaattctggc
901 aataaaaggt aaggatttat tttcttctt tcttttttt tttcttgaga cagagtctcg
961 ctcttaactgc ccaggctgga gtacaatggc gcaatctgg ctcacggcaa cctccgcctc
1021 ctccctgggt taacagattc tcctgtctca gcctcctgag tagctggat tacaggcata
1081 cgccccatgccc cggctaattt ttgtattttt agtagagacg gggttttgcc atgttggcca
1141 ggctggtctt gaactcctga cctcatgtga tccacctgccc tcagcctccc aaagtgtctgg
1201 gattacaggc atgcgccacc gtgcccggcc aaagatttat ttcaagaat gaaacaaagt
1261 aaggattctg ggtcaatctc acatgctgaa agccaaaacc tctagccgct cctgctttt
1321 gacttcggag tgcccaactat ctccgagcct gtgagcacag ggcctggcag aggggtttga
1381 gtggcatgag ctacctaactg gatgtgcctg actgtttccc ttcttccttc cccaggcttg
1441 ttagagtgtc gtgcaagatg tctggtaggg gcccccttg ctccctggat ggcactggaa
1501 ttgtgtttct ttgggggtggc actgttctgt ggctgtggac atgaaggcct cactggcaca
1561 gaaaagctaa ttgagaccta tttctccaaa aactaccaag actatgagta tctcatcaat
1621 gtgttaagtac ctgcctccccc acacagaccc atctttttt tccctctctc catcctggag
1681 atagagaact ttcaacta gcaggggact ggggtggagc cagaccggat
1741 tcccgagtct tccctctgtc ca

FIG. 17C

1 ctagaaaatc cctagccttg ttaaggtgct cgctctggtg tataccacac ttatgtcgaa
61 aaagaaggcca ggtcttcaat taataagatt ccctggctc gtttgcctac ctgttaatgc
121 aggtccatg cttccagta tgtcatctat ggaactgcct ctttcttcctt ctttatggg
181 gccctcctgc tggctgaggg cttcacacc accggcgcag tcaggcagat ctttggcgcac
241 tacaagacca ccatctgcgg caagggcctg agcgcacacgg taacaggggg ccagaaggggg
301 aggggttcca gaggccaaca tcaagctcat tctttggagc ggggtgtgtca ttgtttggga
361 aaatggctag gacatcccga caaggtgatc atcctcagga ttttggca ataacaaggg
421 gtggggaaaa attgggcgcg agtctgtggc ctcgtccccca cccaaggctg ggtcctctc
481 aggggcctgg catttgagtg aggaagcgat ggctgcagcc gaacgagaag gtcaggaaga
541 acgtggtgcc cagctggctt agcctcacct ttcaaagggtt ccctaagcaa atttcttc
601 aaaacagaaaa gcatgagttt tgtggatgc tttgtacaat cagaccattt ctaagccatc
661 tggtggatc ctttggatcc cttccttagta ggtaccacaa ggtggatct aactggacaa
721 gagtctaaaa tgctgctcat gtgattgaga cttggcacc tgagcträga gggaggatgg
781 ataataaaaa ttaaataata actccaaggt aaatttacaa tgttctgg

FIG. 17D

1 gatcctccctc attttcccc tacccattcc ccccacccctc cgttataactg gggccaggtt
61 tctagtagat actgccaatt acccttggca gaggtgcct gctcaactaat tttatgggg
121 ggagmgccct ggaacctgggt tttaatgtct ggcacacgac acttccagga tctccagtt
181 tgtgtttcta catctgcagg ctgatgctga tttctaaccacccatgtca atcatttttag
241 ttgtgtggca tcacccatgc cctgaccgtt gtgtgctcc tgggtgttgc ctgctctgct
301 gtgcctgtgt acatttactt caacacctgg accacactgac agtctattgc cttcccccac
361 aagacctctg ccagttatagg cagttctgt gctgatgcca gaatgtatgg tgagttaggg
421 tacgggtgct ttggctctcc taccactat ggaagcacta tatatttggat tattttctta
481 gtgttaaggag ggtggtgattt atgagaaaaataaagatga tgaatgattt ggtcttagtt
541 tattaaatcct tccctactga aaccagagag gtttcttccc ccggaaaggaa acttggaaat
601 ggtgggagtt ttcttggca ttcacattgg cctactctgt ttgactgctg ttcacaaccc
661 caaaggcaga catttcaata acaaacaacaa ggtdsacca ctgttcaata ccaccccttc
721 tttttgtaa acctgttagaa aagaggatcc taattgtgg tagmatccaa mtttacagcc
781 aggataatta gagatggaaag aagggtctg gggaaagtc tccatgtggc cccgtaaactc
841 cataaaagctt accctgtttt cttttgtgt cttaactttagg tggtctccca tggaaatgctt
901 tccctggcaa gggttggc tccacccctc tggccatctg caaaacagct gaggtgagtg
961 gggtatggg gttatggc aaggagatgg ctaataccat acaaattaca cccatggcct
1021 tcaattttaa ggactgaaag ttccctttg ctggatggg aattagccga ttgccttctt
1081 caacatgttg gctaagtgtg cctgagccaa tgagcataga aggtaaaaca cctctttct

FIG. 17E

1 aatttagcaca cagaaaggat atccaaacaca tacaagctg tnntcatggc ctacactgg
61 gcatattact gctgttgcaaa gaaacatttc ttcttcctct tttcattttc ctgcagttcc
121 aaatgacctt ccacctgtttt attgctgcat ttgtggggc tgcagctaca ctggttccc
181 tggtgagttt actttgaatg atcttggcaa gtaaatagggc ctgagatagt tgggttaca
241 gctattctga aaggcaagaa ggttagactgc ttccatcctt gaaatgctgg agggaa

FIG. 17F

1 aattctatat actatcacta tggctccact ttggataactc tccagtggat ttagttactc
61 atatggaaat acctgggagg acctcctaac attattagaa ttgttatgat tataatacaa
121 ygctatgtcc caggtcttgc tgatagtgc acagtgcct gtgaatgtag tgtgctcatt
181 gtgcagatta aaaacctaag gcactgaagg gtgaagtgtat ttatctgaag ttattttata
241 aagcagtgtat cagacaasct gagctcacag aactccctgg ccctactgc tgaggttcc
301 atacagagtc aagtaatttc tcaccttgc aaacgaattt attcattaac caggggagag
361 ctctactgca tgatgtggct gtgtgtctac agcaagcacc ctatgactct aagtcactcg
421 gacatattga tggccaaag cccaaatatt gttcaacttcc ctgaggaaaa ctcagtgcta
481 gatcaaacag aggtgtggaa taaatcttta tgatttgatt ctctgggcct gggccatgag
541 acccatgatg cctcagagac atcggacttc cagtcaagtg tatatggaga aagccaagcc
601 tggatgtac tgcttttgc agagcatggg ttttccctt atttagttat gattttatTTT
661 ctacccttcc tcattccaa agggatttga ggagggagtg ctttctttt tactctcatt
721 cacattctct cttctgttcc ctacagctca ctttcatgtat tggtccact tacaacttt
781 ccgtccttaa actcatggc cgaggcacca agttctgatc cccctgtagaa atccccctt
841 ctctaatacg gaggctctaa ccacacagcc tacaatgctg cgtctcccat cttaactctt
901 tgccttgcc accaactggc ctttcttta ctttcatgtat gtaacaagaa aggagagtct
961 tgcagtgatt aaggctcttc tttggactct cccctttaat gtacctctt tagtcatttt
1021 gcttcatacg tggttcctgc tagaaatggg aaatgcctaa taatatgact tcccaactgc
1081 aagtccacaaa ggaatggagg ctctaatgtt atttcaagc atccctgag gatcagaaag
1141 taatttcttc tcaaagggtt cttccactga tgaaaacaaa gtggaaggaa agatgctcag
1201 gtacagagaa ggaatgtctt tggtccttgc ttccatctata gggccaaat atattctt
1261 tggtgtacaa aatggatttcc attctgcgtc tctctattac actgaagata gaagaaaaaa
1321 gaatgtcaga aaaacaataa gagcgttgc cccaaatctgc ctattgcgc tgggagaagg
1381 gggtcaaagc aaggatctt caccacaga aagagagcac tgaccccgat ggcgcattggac
1441 tactgaagcc ctaactcagc caaccttact tacagcataa gggagcgtag aatctgtgt
1501 gacgaagggg gcatctggcc ttactcctcg ttagggaga gaaacagggt cttgtcagca
1561 tcttctcaact cccttcttgc tgataacagc taccatgaca accctgtggg ttccaaaggag
1621 ctgagaatag aaggaaacta gtttacatga gaacagactg gcctgaggag cagcagttgc
1681 tggtggtacaa tggtgtaacc tgagatggcc ctctggtaga cacaggatag ataactctt
1741 ggtatgcatt tcttttttgc tggtaatttttgc ttgtgtactc tggcctctgt catatcttca
1801 caatggtgct catttcatgg ggtatttatcc attcagtcatt cgtaggtgat ttgaaggtct
1861 tgattttttt tagaatgtatg cacatttcatgtat gtttccatgt ttgttttattt cttatttggg
1921 gttgcattcatt aatgtctgg agaataattt ttttattatg actgtttttt aaacttaggaa
1981 aattggacat taagcatcac aatgtatatt aaaaattggc tagttgaatc tattgggatt
2041 ttctacaagt attctgcctt tgcagaaaca gatttgggtatc atttgaatct caatttgagt
2101 aatctgtatcg ttctttctat ctaatggaaa atgattttac ttagcaatgt tatcttgggt
2161 tggtaagagt tagtttaac ataaaggta ttttctcctg atatagatca cataacagaa
2221 tgcaccaggc atcagctatt cagttggtaa gcttccagtc atcagctatt cagttggtaa
2281 gtttccagg aaaaaggaca ggcagaaaga gtttggagacc tgaatagctc ccagatttca
2341 gtcttttaat gtttttttttgc acatttttttttgc aaaaaaaaaaa aaagtctgat tggtttttaat
2401 tgaaggaaag atttgcatttgc cagttcttttgc tggtaaaaga gtttgggttgc tctttcccc
2461 caaagtgggtt tcaatgcatttgc ttaaggat gtaagagctt tacaatggaa cacttgatac
2521 ttgttttcaatc accagtatac aagataagct tccaggctgc atagaaggag gagagggaaa
2581 atgttttgc tggtaaaccat caagataaag gacagtgaag taatccgtac cttgtgtttt
2641 gttttgattt aataacataa caaataacca acccttccctt gaaaacctca catgcatac
2701 tacacatata tacacacaca aagagagtta atcaactgaa agtggccctt ctttctgtat
2761 atagaattgc aatttttaaca cacataaagg ataaactttt agaaacttat cttacaaagt
2821 gtattttataa aaattaaaga aaataaaattt aagaatgttc tcaatcaaac atcgtgtcc
2881 ttggatgtat tggttcttgc gacttcacca tagaaactta ataatcgatc cttctcaaga

FIG. 18A

1 atggaaatgt tctgtatttg tgttgtctga tgagataacc actaactgta gtgcttattga
 61 gcatttggaaa catggctagt gtaatcaatg aaccaaattt ttaattttat ttaattgtaa
 121 ttaattttaa gtggccacat gcagggagtg actgctgcatttggacagcac ggctctaatt
 181 tgagcctttt ttcccttattt ggtgaggcat acttgcctta agattggaa gtctatttt
 241 gaaacctgct accaatgctg gtctcacact tgcaattctc agctgagcca agaggtgaga
 301 gaaaggcat tttccattcc aagatctcac tctccctgt gacactgagg aaactggcaa
 361 gtgatgtgaa ggctggagag cgtgcctgt atgctggctc tgccttcttgcctgttt
 421 actgacatag ttagttgctg ccctgctgg tctcccttc tccaaccttg cctctctgag
 481 cacacctgac attcatctca tgacttccct aaaaacattc tttggaaaca agaaactaac
 541 aaatcccaag tgacctatca catatacaaa catacaggc agagttgga ttcgcggtag
 601 aagaaaggaa ggttagacat taagaagaat ggtctggta tgacagttgt gagataatag
 661 aaacaggaaa aagaaatcta agtttctt cttttttaa gaaccaataa taatttctt
 721 ctttgacta gtcagtaggg ctgggggtgaa ttggaggaag cttacatatt ccatgaacaa
 781 gcctcttcct aaggtcctgt aagtgatcct gccccactga ttagcccta gaagaccctt
 841 caaagggtgg atctccagga gggagtgggg gagggaaagcc ctgtaccagg cagccctctgc
 901 tccattgctc tgggggggtg gggaaagacaa accctggta tcccctcagt ctgtagccct
 961 tttgtgtgag tgcctggcaa ggggtgacgtg gggctgttcc tgcgggaca gtcgcagcaa
 1021 ttaccggagt ggaggcaggg cccaggcagc actgccttc aagatcttc cttgggctt
 1081 tcagcagtaa ggggacatgc accccaaggg cctccacttg gcctgacctt gtcgcggggg
 1141 ctctctgtcc ccaggaacag tagagatggc aagcttatcg agacccttc tgcccagctg
 1201 cctctgctcc ttccctcctcc tcctccctcct ccaagtgtct tccagctatg caggtaaagac
 1261 atgtttttt tcctgcctgt gggagaccct gaaaacagaa aggctagtt cttgggggtt
 1321 agctccttca aacatcctca agttggata ttatcttct aaaacataga cctactgaca
 1381 tgcctccctt ctcagaaac cttccgtggg tggttttac agccttcag atggagtcca
 1441 gactttttt ttttttggg acagagtctc cctctgtgc tcaggctgga gtgcagtggc
 1501 atgatctcg ctcactgcaa ctcagccctc ctcgggttcaa gcgttccctc tgacttggcc
 1561 tcccaagtag cggagactac aggccctgc caccacaccc agctaaattt gttctttct
 1621 ttctttttt tttttttgg gatttttaga cagacgggtt ttcacatgtt ggccaggatg
 1681 gtctcgatct ctgcctgtc tgatccgccc gcctcagctt cccaaagtac tgggattatg
 1741 ggcgtgagcc actgcactag gcctaatttt tttatcttta gtagagatgg gtttcacca
 1801 tggggccag gctggctgg aaccctgac ctcaagtggt ctgcctcct cagccctccca
 1861 aagttctgag attacaggca tgagccattt cgtctgaccc agactccttta atgtactaa
 1921 ctccaggcct tccttgacttacttactt tgcctttcca gctttgtctt ttcaccttc
 1981 caattgagat aaaataataa caaccttgc gagttctcat caggattaca tgaatgaga
 2041 tatgttaacat gcttagcagt gcctgtccat agtaaatctc aataaatgtt tggaaatata
 2101 taatatcttgc tcatgtttga gactttgtc tgcataatca ggcaccagta gtttttata
 2161 aaggaaccgg tctgtcacgt gcagaggaga aataaaacaga aagtttccca tcctcaggaa
 2221 gccacctgac tgacagaggc acagtgcattc cactctccag gtctaggggaaaggcagcc
 2281 ttatttctta gtagctcaga atctgacttg agaaacacat ccacataagaa aaaaacaagg
 2341 aactttttcg ggtcagggtc cgggaccac agtggaggtgg aagatacagg ggaaggaaaga
 2401 ggaaaataga gccatccccca ggggtggaaaga tctcagaaga gaatttggaa aacaaggat
 2461 gaacaaggac tgaatagtga gaagtgtatgg agagacagct aaagtagatg gagtgtcaaa
 2521 accaaaaaccccttaaaggtag aataggcagc aatttggcca agtcctaaca gggaggccca
 2581 taggaggatt caacctcaag atgctgtgcc acattccaag agggaaacca aaggctgggc
 2641 tgaagagtca gagatggcta cagctggcaa aaagatggc agatgctgag aggagatgat
 2701 tgtaaaaatg ttctgtccag gacattcaca gtatctctat aaccagatgc tttttgtcg
 2761 ttgttgttctt caagaaggaa acttgaggcc ggggtgggtg gtttatggccc ataatccca
 2821 cgctttgggg ccaaggcagg cggatcacct gaggtcagga ttgcagacc agcctggcca
 2881 acagtgtgaa acctcatctt tactaaaaat aaaaaattt gctggatgcg gcggttaggt
 2941 cctgtaatgc cagctactcg ggaggctgag gcaggagaat cacttgaacc tgggaggccgg
 3001 agtttgcagg gaggcggagg ttgcagtgag ccaagattgc accactgcac tccagcctgg

FIG. 18B

3061 gcgacagaga gtaagactgt ctcaaaaaat aaatgaataa ataaaaaggaa agaagaagaa
3121 gaagaacaat tgcaatccctc cctggctcta gaatgtcatt taaaagtcga gtgttctt
3181 cttccctgt tttgaagcag cccttctcat gacaggctt cttgccaagg ttccctctga
3241 ccttaaatct cttcctttt gttgtcttggc cagggcagt cagagtata ggaccaagac
3301 accctatccg ggctctggc ggggatgaag tggattgcc atgtcgata tctccctggc
3361 agaacgctac aggcattggag gtgggggtggt accccccccc cttctctagg gtggttcatc
3421 tctacagaaa tggcaaggac caagatggag accaggcacc tgaatatcg ggccggacag
3481 agctgctgaa agatgctatt ggtgaggaa aggtgactc caggatccgg aatgttaagg
3541 tctcagatga aggaggttc acctgcttct tccgagatca ttcttaccaa gaggaggcag
3601 caatgaaatt gaaagttagaa ggtgagtagt gccatataat attaggtatt aactgttggg
3661 tggccaagaa caattattct ctcaactgag atgagatccc tcaacccaaa catctcagtc
3721 ctggaaatga tttccataaaa aatgtacaca tcaataaaaca gaaactcatg cttagggatg
3781 tctgtgcatt cattattcag agtagcaagg aaattggat caaaatcaat gcctttagt
3841 aggttaagtga cagaatgaac aatggtagcc atactgtgaa tattatgcag ggattaaaaaa
3901 gattatttgcactaggcc agatggttt ggggctccct ctaaggtatt attgaatgtat
3961 aagacaaggc tgctgttaga tacaaaaaaca aaaacaaaac cctagggcat ggtggggc
4021 ctcgcagcta ctcaggaggc tgagacggg ggcctggctt agccaggggg tttgcagtt
4081 cagttagctt tgattgcacc actgcactcc aacccgggtg acagagcaaa gaccttcacc
4141 cccactccct acccgctct aaaaaaaaaa aaaacaaaaaa caaaaaaaaacc cttggccca
4201 gcgcgtggc tcacgcctgt aatcccagca ctgtgggagg ccgaggtggg cagatcacaa
4261 ggtcaggaga tcgagaccat cctggctaaa acgtgaaac cccgtctcta ctaaaaaatac
4321 aaaaaaaaaa aaaaaattta gccaggcatg gtagcaggcg cctgttagtcc cagctactcg
4381 ggaggctgag gcaggagaat ggcgtgaacc cgaaagcggg gttgcagt gacccaaaatc
4441 cttccactgc actccagcat gggggacaca gcgagactcc gtctaaaaaa aaaaaaaaaa
4501 accctgtatt tttgagcgcac cacacacaca cacacacaca cacacctgtg cttggccta
4561 gtgaataagc aagtaaatca aatgtctaaa tataattata gaaaggagat gtcacctttt
4621 ggctgtaccc ccaatttttccatttgcaga attgcagaat ttctttttt ttccttttct
4681 ttcttttctt ttttttttttgcacacagatc tgcctctgtt acccaggctg gagtgcaatg
4741 ggcgcctccg ctcctgggt tcaagtgtt ctcctgcctc agcctcccgaa gtagctggg
4801 ttacagggtgc ccaccaccac acccagctaa ttttgtatt ttttagtagag acagggttcc
4861 accaggttgt caagggttgtt ctc当地actcc tgacctcagg tgatccactc
4921 cccaaagtgc tgggattaca ggcattggcc atgggtcccc gctcagaat ttcattttca
4981 acatgttttgcatgatgggt gatggggat aatattttt gctctatcgc aggtgatttta
5041 agatgtggac aaggtgaagc cgatgggggg ggagcttga aagttacttgc tatttaatt
5101 gaggaactaa actgcttgc ggcctgggg gtcagatcct ctgccttttgc
5161 cctgcagtc aaacatcaga caattgtatca ctattgtatc ttggaggtgg
5221 tgcagtgctg ggaccagaag atggcatttgc atgtggaaaca acaaagact
5281 actgcctgca gggatatggc aatagcttgc tgccttcagg aatgttcttgc
5341 ttttatttttttttgcacacatggggaaatttgc ttttgcacatggggatgttgc
5401 gatgttttgc ctcctgcctc aacaacttcc tagctcgtt actgccttc
5461 ccctcagttt caccacacca aaaaagggaa acaagccgt tgcggggct
5521 atcccaaaaac ttggggaggc cgaggcgggtt ggttccaccc
5581 agcctgacca acatggggaa accctgtctc tactaaaaac
5641 tggcgattc ctgtatccc agctggggagg ctgaggcagg
5701 ggcggagggtt gcagtgcgc aagatgcgtt cattacactc
5761 gaactccatc tccaaaaaaa aaaaaaaaaa aacaaggaa
5821 agactttgc tcaaggggaga aagttcttgc ttgggttgc
5881 ttcccaactt ttcgtctgc tgcctaaaggaa actgttttac
5941 gtcttaggctt tggagccagg aagttgagac aaatttagga
6001 tattgcaagt ctcagggtgttactacctctc
6061 tggttactt ttttttttttgcatttttgc
ggatttttatttacttgc
tctaaatccctt

FIG. 18C

6121 tctttaaatt cttcattatg aaacataaaa acaaatgcc aggcgccgcag ctcacgcctg
6181 taatcccagc actttgggag gccgaagcgg gcagatcacc cgggtcagga gttcgagacc
6241 agcctgatca acatggagaa accccgtctc tactaaaaaa tacaaaatta gctaggcgtg
6301 gtggcacatg ccagtaatcc cagctacttg agagactgag gcaggagaat cgcttgaacc
6361 gggaggcaga ggttgcgggt agccaagatc ggcgcattgc actccagcct gggcaacaag
6421 agcaaaaactc tgtctaaaaa aaaaaaaaaacc acatacaac cagagataat attataatga
6481 gcctccaagt gcctaccacc ttgctgcagc acttgtcaat ccagggacca cccacactcac
6541 cggctccccca ctcattacca ccctccctta ctcaattact gaggtaaatc ctaggcagca
6601 tgatcatttc tttttttct ttttatttat tttgagacag gatctgtctc tgtcaccagg
6661 gctggagtgt agtggcatat ctctgctcac tgcaaggctc gcctcccgaa cagaagccat
6721 cctcccacct cagcctacat agtagctggg accacaggca cacaccacca cacactgcta
6781 atgtttgtta tttttgttag agactgggtt ttaccatgtt gatcaggctg gtctcaaact
6841 cctaggctca agcaatcctc ccacctcgcc ctcccaaagt gctagaattt caggcgcgag
6901 ccactgcacc cagcgaagaa cacttttaa aaaataaataa ggccgggcgc ggtggctcac
6961 acctgtataatc ccagtacttt gggagccaa ggagggcgaa tcatgaggtc aagagattga
7021 gaccatccta agtaacatgg tgaaacccca tttctactac aaatacaaaaa acaaaaattag
7081 cctggcgtgg tggcaggcgc ctgttagtccc agctacttgg gagctgaggc aggagaatgg
7141 agtgaacccg ggaggcggag cttgcagtga gctgagatca tgccactgca ctccccctg
7201 gggcaacaga gtgagactcc caaaaaaaaaa aaaaaaaaaagcc cccccctcccc acacacaata
7261 atataaataa ataaataacc acaataactat tatcacaatct tacaaactca acaaaaattt
7321 cttaatatca tcaaataccc agtttgttca caaattttcc tgattgttcc ataaatatac
7381 tcttacagtt ggtttctttt agcgagattc aaatgagacc cacctgttga cttttgcct
7441 tagggtttcc cagggtctga attttgttga cgacattccc atgttgcata gtaatacggt
7501 cctccatgcc ctgtttttt ctgtaaactg atagatgtgg aggtgcaatg acatttgtt
7561 ttgatttact ttggcaaata tagttcatca gtgatactct atacttctt tgctttaca
7621 tccggaggct gataatgtct gctttctct cttttctaattt tatttgtgaa aggaaaaatg
7681 tgggggggtt ggagaaaaaaa acccttaagt acataactcgc taaatcacat tgctacaggt
7741 aacttccatt aagaacttga aagtaaaggta agtgcattt tcccctaggg aacacaatga
7801 tagacaggag ccttagtcta cagcttgaag gattgttaattt atacctaagc aaccctccctg
7861 gaccagtttta atgttatttag ctgtgtatgt tccctacattt tgatgtcatt atccttactt
7921 agctccctta aagcagagat caagatgaaa agggcttcag ctgcagcatg gcacatggag
7981 attagagtgg ggcttttggta tgctgaggag cagacctaga atggaaaata gatgggagcc
8041 acagaagtga aggtcccccct ccctcattgc tcaacctact ccacatctcc aggtctgcac
8101 atctgttcaag ttactgaatc ctgtgtatgc taccttctt ttctttttt ttttatttt
8161 ttatttattt ttttttttggat atggagttt gctcttgttta cccaggctgg agtgcataatgg
8221 tgcaatctcg gctcaactgca ccctccaact cccagggttca tgcaatttctc cttccctcagc
8281 cttccaagta gctgggattt caggctgcac caccatgtct ggctaattttt tgaaaaatca
8341 gtagagagag ggttcacca tggtggccaa gccggctcg aactcctgac ctcaagtgtat
8401 ccacccaccc tggctccca aaatgtggg attacaggta tgagccacca tgcccgctgt
8461 aaactacctt cttaaaagct ctagaagagg gcttttaacc ttttgggttg tgcataatgg
8521 cttccgcaag ctgtatgtt gatagaccc atctcagaat tttttttttt ttttggagac
8581 agtgtctcac tctgtcaccc aggattgggtt gcagttggcac gatcatgggt cattgcagcc
8641 tccacccccc aggtcaagt gatccctctg actcaggctc ttgaatagct gagaccacag
8701 gcttgggtca ccatgcccag gtaattttta attttttttgc tagaggccag ggtctcacat
8761 tatgttgcctt agtctggcctt cgagaactcc tgggctcaag caatcttccctt gccttggct
8821 cccaaagtgg tggattaca ggggagagcc accacaccta gccaggagga ttttttaat
8881 acaccaaata aaacattttt acccaaatac agttatccaa atattaaattt aacaagaggtt
8941 aggggtgaccc tattaatttag tgtaatttcc aaatagtaat gaacataatg gatagtttga
9001 gatttctgtg actttctaa tggacgtga aaatattttt gatttttctt tttttttttt
9061 ttttttggata tggagtttcc ctcttggatcc ccaggctggta gtcataatggc aagatctcg
9121 ctcacccctaa cttccgcctc ctgggttcaa gcgttctcc tgcctcagcc tcttggatgt

FIG. 18D

9181 ctgggattac aggactgtgc caccacgtcc agctaatttt gtatTTTtag tagaaacagg
9241 gtttctccat gttggtcagg ctggcttga actcccaacc tcagggcgtc cgcccccc
9301 gcgcctccaa agtgctggg ttacagggtg gagccaccgc acctggccaa tatttgtat
9361 ttttattgac gacaaagtca aaggttctt tcataattt gtgggtatc gcctacaagc
9421 ataattaaaa taaacactaa atttcagtt aaagtttact gaaaataaat atgtatTTT
9481 tattccctat ttaagctttg aatcccgtc cttccatac cattaccact gtcctagttc
9541 aggttcatgt tgTTTTTAC tttaattgtt atcacagtct ctaacatTTT ctcctatgt
9601 tctccagttc tggtaggtgt aaatctgacg tggtcacttc tcagcttggaa atccttcagt
9661 gcaccaccac agccttgaac tacatattt aaatacatat ttatTTTca gaaactttaa
9721 actgaaattt agtgtttatt ttaattatgc ttgtaggcga tacaccacaa taatatgaag
9781 agaaccttg actttgtcgta caataaaaag tcccttgagg ggacttcaga tgtaagtccc
9841 ttagctgctc gttaaaactc ccccaggctg acccaataca caatcttgac tttaaaccac
9901 ttgtcattct aaatcaactag catttctgg aaaaaaaaaaagc catttttctt tcagggctaa
9961 gctcagggac caattctgtg tcacccctt tgaatcttga tgatatttac ttctttattt
10021 gacctgattt atggggcccc agacaccatg ctgagtttgg gggatttcagc ttggacaat
10081 gtcaaATgtc agtcctgcct ttcaGatcct ttctacttgg tgagccctgg agtgcgtgg
10141 ctccctcgccg tgctgcctgt gtcctccctg cagatcactc ttggcctctgt ctccctctgc
10201 ctgcagtaca gactgagagg tacagggcag aggggtgggtg gatcaggatc ctttctttaa
10261 atgagctggc ttcttggagg tacaccactt aacatgtatt ttttttttttgc ttctgggttc
10321 agaagttctt ctcaactattt agtgataaaag aaaaaaaaaata actccatgtat gaaagagtt
10381 tacatcttac ggaatgtttt catatgaata atcggaccta gcatttccct atgagctaac
10441 tatgccatat agtaacccca ttttacagag gatacaactg aggccaggag tagttcagt
10501 acttactcaa accgatataa ctataaagtgt gtagagctga ggcctctgtc tcatacctag
10561 cagctccatg caacttgggaa gagttgtgagc ttcaagttca gacaggctta ggctattagg
10621 agtttgaat aaagatactg aagtggaaagt ctctaccaca cagtaggcgt tcgaaaattt
10681 tttccctttt ctccattca cactgaggac tcaggttcag ctgctgtatca agtcctctt
10741 tttgccttag agcttcatt ctgagccctc tcctccctacc aagtgtctcc ccaatgccag
10801 agcaggaaga gtcttcactt ctcccaatgc cccacccccc atttgttaact aagaggagag
10861 gagaaagtag caaggagggt atggggaaatg ttctggggaa atgggttttg gtgcgtatcaa
10921 caacaaagtcc ttctctctca ctttgaattt atcccagatg cctgcttgc ttacttcttcc
10981 acacaaaaaaa aggcttcag ccctcatggc tgagcagaaa gaatctgaat gtttagtca
11041 ggcagccctgg gttgaattt catctcaggt actgaactct atagcaaaat tcttagatc
11101 tccaagcttc agttgccttg tctgtcaat agagaaaaca tccttcgtcc taaaattgttag
11161 ggaggattaa agtcatgca agtgctact acaaattccag tcacaaagta gctagctact
11221 cactaaatgt tcaGctctc cctcttcatc cagatggaa gtggctttag ataaacaaag
11281 tggcaacgca gtgggctggc gcagctctgt gaactgagaa tccaagaaaa ggggcgaaga
11341 gcagctgggat gttattggat gcttgcgtg gcttggggca ttgctcacat tctttattcg
11401 ctattgtatc tagactatag cttagagaaatg agccgcaacc attggcttta aatccagtgc
11461 tcttcctact ctcttgagggt tgTTCCAGG ctgcagagaa atagcctgca caaggggccc
11521 aggctggggat gttggggagggt tccccaccga gagccagaac atgcaggaac taaaatgttg
11581 ctttttcttca tttaggaaa acttcgagca gagataggtg agttccagtc atcgtttctc
11641 ccaattcttgc cttttgggtt ttggcata acggaaatgg tcccatttttgc ggaccgtctc
11701 tccctctcaa taccctgtt tcccctcagt ttcccttctt ctacagtgg tggtgtgtgc
11761 cttagaacaag tttaagttaa ttaaataaca aagactcagg ataaaaggat ctttttggaa
11821 gtgcctact aaatccattt ccattgttt ctctttcaga gaatctccac cgacttttg
11881 gtaagttccg gcatgtctag gccctcccag gtcaacttgg tatttcactc tagttccagt
11941 cacctggggg aacaaggacc cctggctctt gtttggatcc cttccctctt tctcttttctt
12001 ttcttttaat aagaagtcattt ttgcattttg gattggtaaa atcataataa aaataactcat
12061 gtactgtttt tatgtgccag gcactatttca aactacttta caaaaacgtt atcttattt
12121 gtttaactcc ttatgcacat gatctctt ttcaggaatg caaaaacaga ggttaaataga
12181 tcgtttacac gtaaacctga tgtctggggaa gggaggtgaa acaaacacaa acaagacaca

FIG. 18E

12241 actgtatcac ctgtacttat atttctgctt tacaaactca ggatgtttcc atgagtacag
12301 aacatgacta atcagagaag acctcataga ggaatagaaa agccaccaag ccccactagg
12361 aattgacccc tcaaggacat ggtttctagc ctttttgttc actgcagatt gcccaatgcc
12421 taaagataat ggcaacagaa ggcacccaa atatttgtta gataaatgtt gcagacacta
12481 gaaggtgtca ttagggcaca gatggtacct tctctgagca aacttccttc acagtcctc
12541 ctcccgggac tgtaggtgac tctactcttg tcacccggca cacagagttc tattgtacga
12601 tttaggaaat tagaccagt tgtaggaccac acacacacac atctttacac acccaaagag
12661 gaggaatagt atctttgtt tggaggactt gactatgaaa ggtcttaact ctttttgta
12721 ccatgaatct ctctggcact ccagtgaagt ctaaaggacc ctttgcaga atgttttaa
12781 atatacacat aaaatagaac acataggatt gcaaaaacaa tcattgtact aaaatacagt
12841 tatcaaccga taatcacatt tgtagatatacg taacataaat gtttctttt ttttttttg
12901 gaggcagagt ttggctcttg tcacccaggc tggagtgc当地 ggtcttaact ctttttgta
12961 gaaacctctg cttccgggt tcaagcgatt ctcagcctcc tgtagtagctg ggattacagg
13021 tgcccggcac cacacccaggc taattttgtt attttagta gagacttagt ttcaccaggt
13081 tggccaggct ggcctcgaaac tcctgacctc aggtgatcca cctgccttgg cttcccaaag
13141 tgctgggatt acgggcatga gccaccgtgc cggccataa atatttctt agccaaagta
13201 atacattaag taatgttaga gcaagtctaa taacctgtaa tttttttt ttttttttcc
13261 tttctttttt tttagatga agttttttt agatggagtg caatggcaca atctcggtc
13321 actgcaaccc ccaccccttg ggtcaagcg attctccctgc ctcagcctcc caagttgtcg
13381 gaactacagg cgcatggcac catgcccaggc taattttgtt attttagta gagacggggt
13441 ttccacatgt tgccaggct ggtcttgaac ccctgacctc aggtgatctg cctgccttgg
13501 cttcccaaag tgctgggatt acaggcatga gccaccaggc ccagccaaat aacctttaat
13561 ttcaacatac taataaaacat aaacagtatt tcaagatttc tgcaataact ctaatggaa
13621 tgaaaacatc tggcttcc attggtaatt aagtcacagg tactgctcat attgtggta
13681 gttgtaaaat gttttgggat gttttgtttt ttccaaagact tggggaaatg ggtgttgggt
13741 ggatcaacaa gagtcttgc ctgtggccca ggctggagtg caggggcagg atcttggc
13801 actgcaaccc ccgcctccca ggtcaagcg attctccctgc ctcagcctcc tgtagtagctg
13861 gcattacagg catgtggcac caagccccaggc taattttac attttagta gagatggggt
13921 ttccacatgt tgccctggc ggtcttgaac tcttggcctc atgatccacc cgtctcgac
13981 tcccgagatg ttgggattac aggcatgagc caccacactt ggcagttgtt acatttttaa
14041 tgaaagaaaa tggtaaatcc agttattgaa aataaggagg cagtacttt ctcatccaag
14101 ttcatggact ttctgaatt tggcccccaga gtccttggc gttctaggac cccaggttaa
14161 ggaacccaaa aagacagggt ggtggggcat gagggggaaac acatgttaat ccctgtttgt
14221 tctggtaac aattcagatc cccactttct gaggggtggcc tgctggaaaga taaccctgtt
14281 tgtaattgtc ccggttcttg gacccttggc tgcttgcata atctgctaca actggctaca
14341 tcgaagacta gcaggtgcag tggctggca gcaggcaaga ccaccaaata gtgggggacc
14401 aagtcagctc tgaatggaa gccaaaagag aatagaacca ggactcaaga tttaggggagc
14461 tgggatttcc ttattcctct gtccttgc ccaacccag gctttctga gaaactgtga
14521 agagaaccac ttactggatc tggggatcc cccagtgaa agggcagtgt gggtcactcc
14581 aaatgtccat agggaggatg tggggaaagggt gctattcattc ttccactaat cacatatttgc
14641 tttcttttg tttcaggcc aattccttgc agagctacgt aagttctctt ctctctgtt
14701 taagcagaga ataaaaagcc agggaaaggga gacagaagca acaagaggaa gaggcgggct
14761 attgagggat cacattccca gagggaaaggga ggagctggag agcctgggt gagggaagac
14821 tcctcctggg aggttagaggg caaagaagcc agctgttgc gacacatttca caggtggcag
14881 agaagctgga ggcactccta tctgccacct gatccatttcc tccttcaact cccctaagca
14941 ggaatccaa cctagctggc ttcattgc cccatc aactgcccag tgcctcacct
15001 ctcagatcaa ccattggggc aggaatggag acaagatgac cccaaaggct tttcttctcc
15061 ctatgtcaat gttttatga tacaaactac tgacatacg tttcaagtt attttctct
15121 tcttcttagga aatcccttct gaggatgtc acatcttggc aggggtggag gagagctgg
15181 ttggccagggg atttgcctt gggacatct catccatcaa gttgcacact cactggcatc
15241 tttgctatgg ggacattcca atttgcactt tcaggaacac tctgaattec aagtagaaatt

FIG. 18F

15301 gattccctt cttctgtcat ctacctttc ttttcatttt cccatttttta ttacccttct
15361 ttccatttct ctctccagtc ttccacacctgg aaggcccttc tggctaagga caggcaggtg
15421 cccctctctc catcagagga caccgtact ggagagcaac acaggatggt ctctgccatg
15481 aactggaggc caggaatctc ctcactgaaa attacagtat ggtaacttg caaatggtgg
15541 ttgtttcttc caagactcca gcctgatttgc cgcaaaactg aaaggcatgt gaagggaagg
15601 aagaggaaga gtgcaaaaca ttgaagagag agctgagtga gctgaagagt gaggatatga
15661 gtagccccaa cccaaacctg gagatgggga gaaacctaca gaataactgc cagagctcct
15721 ccttgtcttgc gcaagctact agggacctgg ggaagcaaaa acgaaagctg ggcaacatgc
15781 ctgctttaga atgttttctt tctacttaca catctccac aggtctcaga atctttcctt
15841 cctctcatcc ttttctccta tctacatatac tatcagagta tccactgtttt attcaacaac
15901 tactacttga tggtcagaca caaacaaca agcttaggtgc taattaataa agatacgagt
15961 tttggccggg tgcggtggtt cacgcctgtt atcccagcac tttgggaggc cgaggcgggc
16021 gaatcactgag gtcaggagtt caagaccaggc ctggccaaca tggtaaaacc ccatctctac
16081 taaaaataca aacaattaaac tgagcatagt ggtggcacc tataatacca gctactccgg
16141 aggctgaggc aggagaatcg cttgaaccca ggaggcagag gttgcagtga gctgagatcg
16201 cgccactgca ctctagccgg agtgcacagag taagactctg tctcaaaaat aaataaataa
16261 ataaataaaat aaataaataa ataaataaaa aataataataa caagtttca taagcacact
16321 tctaaccctt tgtcttttat gtatttctt ccttatccac gcacctgtct ccctctactc
16381 cagcctcatt accccagagg tcagtcctca ggaaaactaa acacaaagaa agagctcagt
16441 cagaaaggcc atttattttt gttcaagat gctcaactgcc tcctttgttt tgtctcctt
16501 gcaggcccttc tctcttaggc ctcttcttgc gggggatgg atcctggggg gagattgatc
16561 acctccatgc ttccatttccct ccccagccat agtggggaca tcatgagaga agccaagcca
16621 ctggcccagg atcacccggc atttatggtgc gctgctctgg cacaggtcct tgcctttata
16681 gcccctccag tgcataaa ggcctctt ctccccaaag gagaggcactc agataggc
16741 aaggtagctc ttctgcttc agtgggtctg ctgggtctg accagcctgg aaaatgagct
16801 gaaagacttg ctgcaatggc agcacttagtt gggcgctct gtgaggtggc ccttctgg
16861 tctggagaga taggatttct tgctaaaagt caaagaacaa tggggcaac agaagacatt
16921 gagtcggag ggcttcactg gatgagagtt ggatctggca tcctgacaga gggttccagt
16981 gatgggtgcc tgggtctgg tcacaggtgc ttgggtctta agtacagatg cctgggtctg
17041 ggccatagga ccctcagttc taaatatggg ttccctggac ctggccactg gtgcattgg
17101 cacatccaaa agccctggc tggacctctg gcttcggcg atgggtgtct ggaattcagc
17161 ctgggtgccct ggaatcctca aagtacactc ctgggttcca tccactggct cctgggtttg
17221 gtgtatcttc tgggtggcgtt tgagctcaga ctgggtccgg aagctcttcc cacacacaga
17281 gcatgaatgg ggccggtaac ccagatggac gggcggtga cgacttagtc cagaagcatc
17341 acagtagtgc ttgtcacaga gcgtgcaaca gaaggccctc tcccaagat gcatgcgtct
17401 gtgatagctg agggacttgg ggctccgaaa caactccccactgactgc agctgttagt
17461 cagcttgggaa ttgtgaacaa actggtggct atagaggtag gagcgcctgc taaaacattt
17521 ggcacaggtg tagcaaaa

FIG. 19

1 tttgtatgtc attgcaggat tcatgcttgc cagtgtgtca tctatggaac tgcctcttc
61 ttcttccttt atggggccct cctgctggct gagggcttct acaccaccgg cgctgtcagg
121 cagatcttg gcgactacaa gaccaccatc tgccggcaagg gcctgagcgc aacggtaaca
181 gggggccaga agggggagggg ttacagaggg caacatcaag ctcattctt ggagcgggtg
241 tgtcattgtt tggaaaatg gctaggacat cccgacaagg tcatcatcct caggattttg
301 tggcaataac aagggggtggg gggacaa

FIG. 21

1 masqkrpsqr hgskylatas tmdharhgfl prhrdtgild sigrffggdr gapkrgsgkd
61 shhpartahy gslpqkshgr tqdenpvvhf fknivptrtp ppsqgkgrgl slsrfswgae
121 gqrpgfgygg rasdyksahk gfkgydaqgt lskifklgr dsrsgspmar r

FIG. 22

1 mglleccarc lvgapfaslv atglcffgva lfcgcgheal tgtekliety fsknyqdyey
61 linvihafqy viygtasfff lygalllaeg fyttgavrqi fgdyktticg kglSATVTGG
121 qkgrgsrgqh qahslervcv clgkwlgp kityaltvvw llvfacsavp vyiyfntwtt
181 cqsiafpskt sasigslcad armygvlpwn afpgkvccsn llsicktaef qmtfhlfiaa
241 fvgaaatlvs lltfmiaaty nfavlklmgr gtkf

FIG. 23

1 maslsrp\$Ip sclcsfllll llqvsssyag qfrvigprhp iralvgdeve lpcrispgkn
61 atgmegwyr ppfsrvvhly rngkdqdgdq apeyrgrtel lkdaigegekv tlirrnvrfs
121 deggftcffr dhsyqeeaaam elkvedpfyw vspgvlvla vlpvlllqit lglvfclqy
181 rlrgklraei enlhrtfdph flrvpcwkit lfvivpvlgp lvaliicynw lhrrlagqfl
241 eelrnnpf

FIG. 20

1 ctgtatcagt gctcctcgtc gcctcactgt acttcacgga agagacttgg ttgactggcc
61 acttggagcg gaatcaggag acattcccaa ctcagagaga ctgagcccta gctcgcccac
121 ttgctggaca agatgatatt ccttaccacc ctgcctctgt tttggataat gatttcagct
181 tctcgaggggg ggcactgggg tgctctggatg ccctcgtcca tctcagecctt cgagggcacg
241 tgtgtctcca tccccctgcgg tttcgaccc tcggatgagc tcagaccgc tgtggtacat
301 ggcgtcttgtt atttcaacag tccctacccc aagaactacc cgccagtggc cttcaagtcc
361 cgcacacaag tggtccacga gagttccag ggccgttagcc gcctgttggg agacctggc
421 ctacgaaact gcaccctgct tctcagcagc ctgagccctg agctgggagg gaaaatactat
481 ttccgaggtg acctgggggg ctacaaccag tacaccttct cggagcacag cgtcctggac
541 atcatcaaca ccccccaacat cgtggtgccc ccagaagtgg tggcaggaac ggaagttagag
601 gtcagctgca tggtcccgga caactgccc gagctgcgcc ctgagctgag ctggctggc
661 cacgaggggc taggggagcc cactgttctg ggtcggctgc gggaggatga aggcacctgg
721 gtgcaggtgt cactgctaca cttcgtgcct actagagagg ccaacggcca cctgtctggc
781 tgtcaggctg cttccccaa caccacctt cagttcgagg gttacggcag tctggacgtc
841 aagtacccccc cggtgattgt ggagatgaat tccctgtgg aggccattga gggctccac
901 gtcagcctgc tctgtggggc tgacagcaac ccgcacccgc tgctgacttg gatgcgggat
961 gggatgggtg tgagggagggc agttgctgag agcctgtacc tggatctgga ggaggtgacc
1021 ccagcagagg acggcatcta tgctgcctg gcagagaatg cctatggca ggacaaccgc
1081 acgggtggagc ttagcgtcat gtatgcacct tggaaagccca cagtgaatgg gacggtggtg
1141 gcggttagagg gggagacagt ctccatcctg tggccacac agagcaaccc ggaccctatt
1201 ctcaccatct tcaaggagaa gcagatcctg gccacggtca tctatgagag tcagctgcag
1261 ctggaaactcc ctgcagtgac gccggaggac gatggggagt actggtgtgt agctgagaac
1321 cagtatggcc agagagccac cgccttcaac ctgtctgtgg agtttgcctc cataatcctt
1381 ctggaatcgc actgtgcagc ggccagagac accgtcagt gcctgtgtgt ggtaaaatcc
1441 aaccggaaac cttccgtggc ctttgagctg cttcccgca acgtgactgt gaacgagaca
1501 gagagggagt ttgtgtactc agagcgcagc ggccctcctgc tcaccagcat cctcacgc
1561 cggggtcagg cccaaagcccc accccgcgtc atttgcacct ccaggaacct ctacggcacc
1621 cagagcctcg agctgcctt ccagggagca caccgactga tggggccaa aatggccct
1681 gtgggtgctg tggcgcctt tgccatcctg attgccattg tctgctacat caccaggaca
1741 agaagaaaaa agaacgtcac agagagcccc agcttctcag cgggagacaa ccctcatgtc
1801 ctgtacagcc cccaaattccg aatctctgga gcacccata agtatgagag tgagaagcgc
1861 ctggggtcgg agaggaggct gctgggcctt agggggaaac ccccaact ggaccc
1921 tattccact cagacctggg gaaacgaccc accaaggaca gtcacccct gacagaggag
1981 ctggctgagt acgcagaaat ccgcgtcaag tga

SPD o
n=5, 5
TS, 50mm

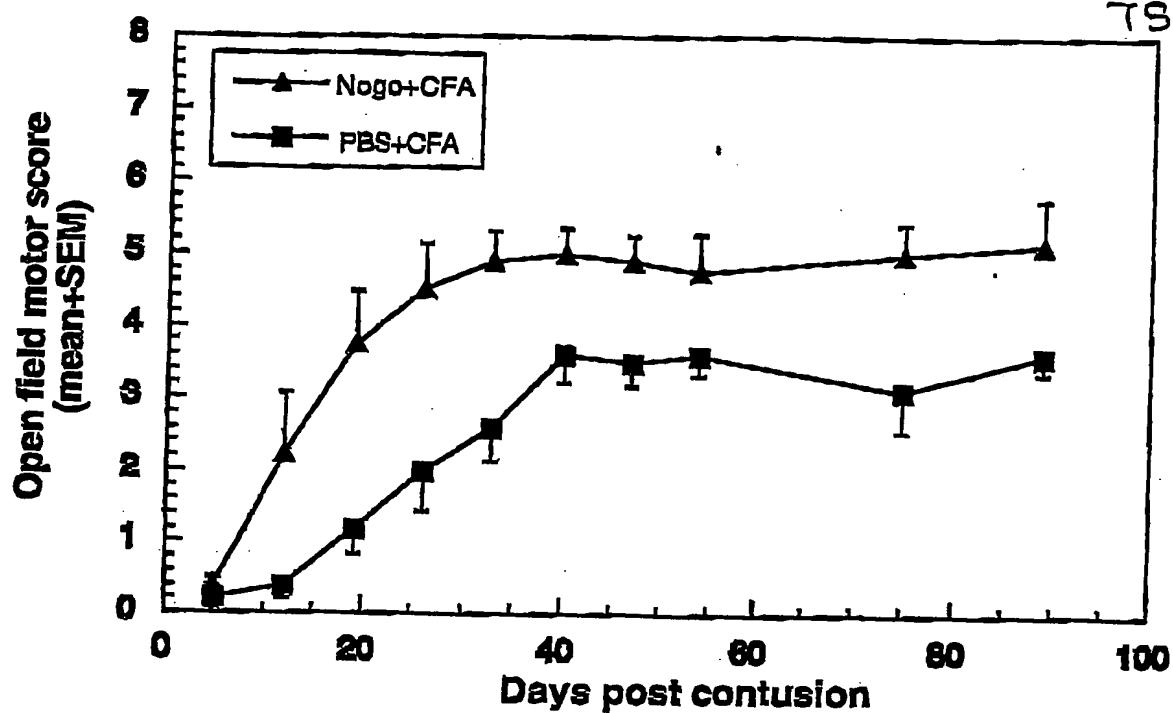


FIGURE 24A

SPD o
n=5, 5
TS, 25mm

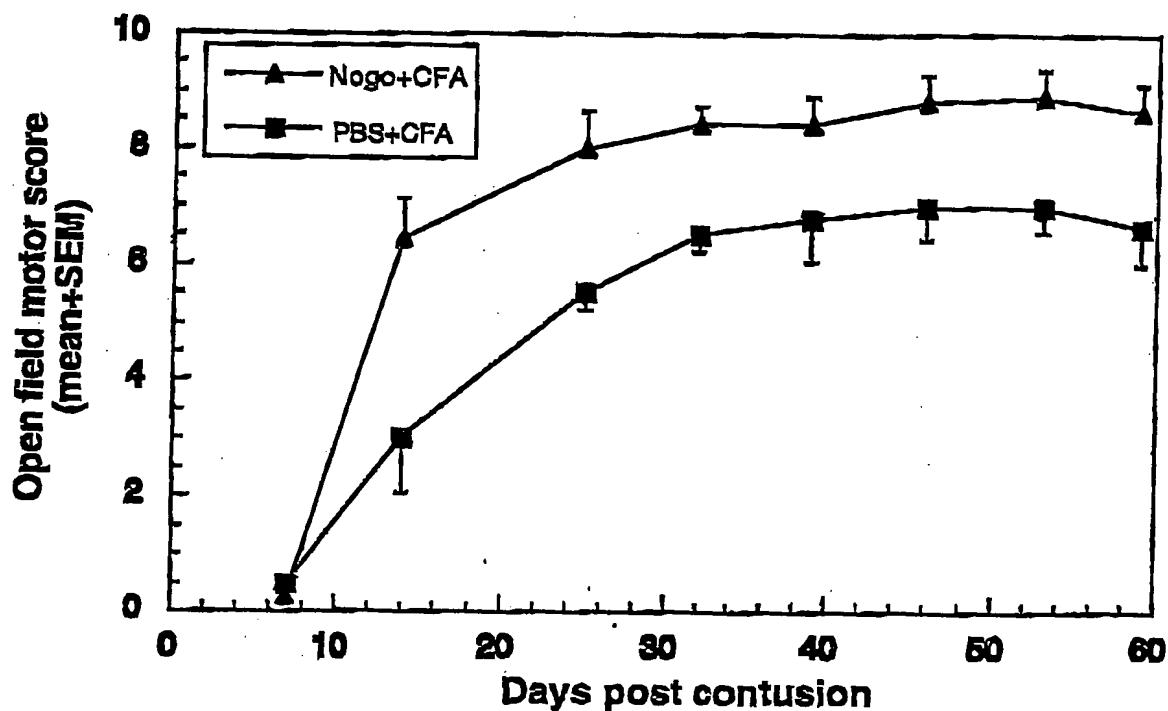
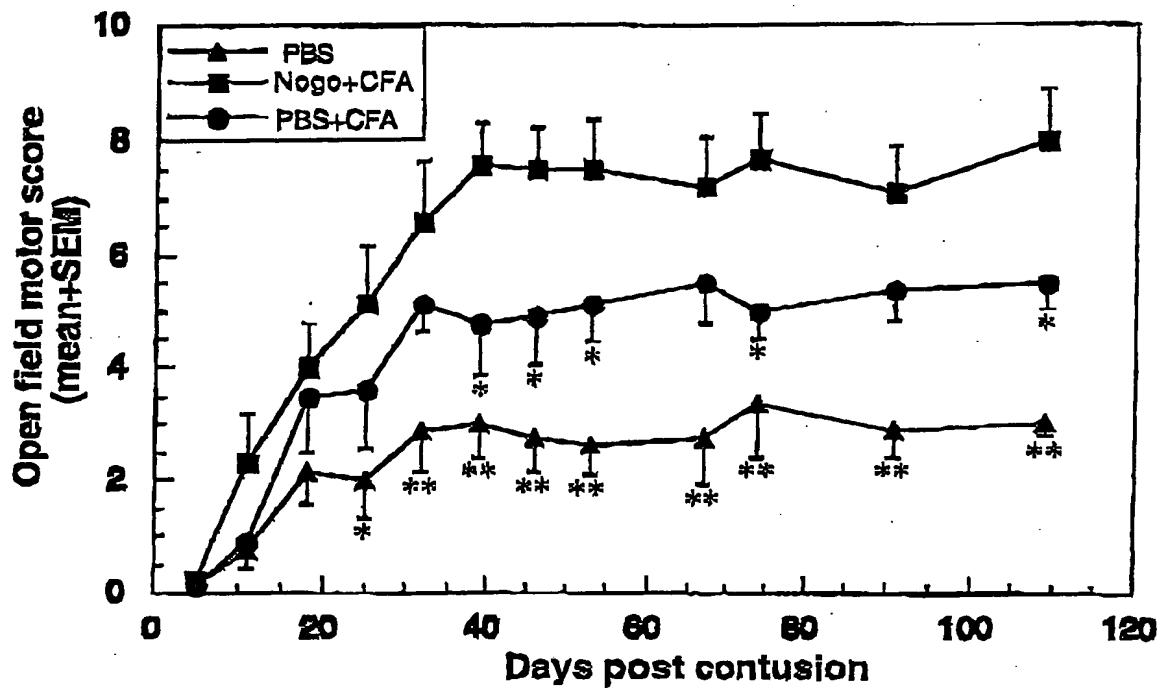


FIGURE 24B



SPD females (n=5), 50mm T9 contusion, CFA 1mg/ml after the contusion, boost with IFA 7 days later.

t-test: * $P<0.05$, ** $P<0.01$
compared to Nogo+CFA

FIGURE 25